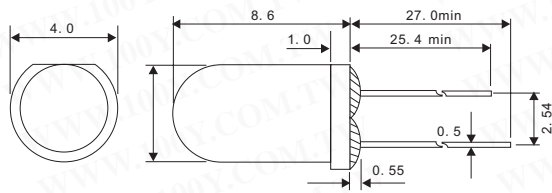




# Light-Emitting Diodes (LED)

## 3mm LED

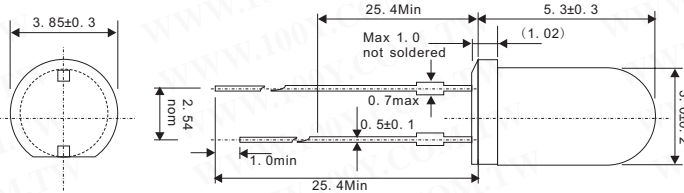
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



**Note:**

1. All dimensions are in millimeters (inches)
2. Lead spacing is measured where the leads emerge from the package
3. Specifications are subject to change without notice

Part No.	Product No.	Manufacturer	Description	Emitting Color	Lens Color	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf	View Angle
30989	BL-B2141-AT	BRTLED	3mm LED LAMP COLORED L314HD L314YD L314GDINTENSITY (mcd) @IF=10mA 3-8 12-24 14-34	Green	Green	30	568	3-8	2.2	
31013	BL-B3141-AT	BRTLED	3mm LED LAMP COLORED L314HD L314YD L314GDINTENSITY (mcd) @IF=10mA 3-8 12-24 14-34	Yellow	Yellow	30	585	30	2.1	35
30935	BL-B5141-AT	BRTLED	3mm LED LAMP COLORED L314HD L314YD L314GDINTENSITY (mcd) @IF=10mA 3-8 12-24 14-34	Red	Red	15	700	3-8	2.2	



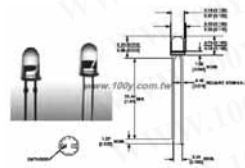
Part No.	Product No.	Manufacturer	Description	Emitting Color	Lens Color	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf	View Angle
17384	HB3b-143-12V	Haw Shuenn	Yellow-Green LED	Yellow-Green	colored diffused	10mA	570	30mcd	12V	2θ1/2 : 40
27965	HB3b-448ABCA	Haw Shuenn	3mmLED	GaN/GaN	Water clear	20mA	475	2700mcd	3.6V	2θ1/2 : 15

**FEATURES**

- Outstanding LED material efficiency
- High light output over a wide range of currents
- Low electrical power dissipation
- CMOS/MOS compatible
- Colors: 590/592nm amber, 615/617 nm and 622 nm Reddish-orange
- Variety of packages available

**APPLICATIONS**

- Outdoor message boards
- Safety lighting equipment
- Signaling applications
- Emitter fo emitter/detector applications
- Changeable message signs
- Portable equipment
- Medical equipment
- Automotive lighting
- Alternative to incandescent lamps

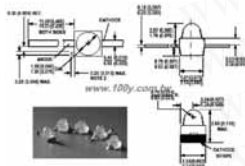


Part No.	Product No.	Manufacturer	Description	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf	View Angle
33502	HLMA-KL00	Agilent	T-13/4 (5 mm), T-1 (3 mm), High Performance AlInGaP LED Lamps	20mA	592nm	200mcd	1.9V	45

**FEATURES**

- **Subminiature flat top package**  
Ideal for backlighting and light piping applications
- **Subminiature dome package**  
Nondiffused dome for high brightness
- **Wide range of drive current**

- **Colors: 590 nm amber, 615 nm reddish-orange**
- **Ideal for space limited applications**
- **Axial leads**
- **Available with lead configurations for surface mount and through hole PC board mounting**

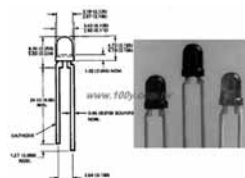


Part No.	Product No.	Manufacturer	Description	Wave length (nm)	Light (mcd)	Typical Vf	View Angle
33505	HLMA-QL00	Agilent	Subminiature High Performance AlInGaP LED Lamps	592nm	500mcd	2.0V	15

**FEATURES**

- **High intensity**
- **Choice of 4 bright colors**  
high efficiency red orange yellow high performance green
- **Popular T-1 Diameter package**
- **Selected minimum intensities**

- **Wide viewing angle**
- **General purpose leads**
- **Reliable and rugged**
- **Available on tape and reel**

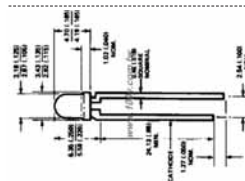


Part No.	Product No.	Manufacturer	Description	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf	View Angle
33509	HLMP-1301	Agilent	T-1 (3 mm) Diffused LED Lamps	10mA	635 nm	5.5mcd	1.9V	60

**FEATURES**

- **Improved brightness**
- **Improved color performance**
- **Available in popular T-1 and T-1 3/4 packages**
- **New sturdy leads**
- **IC compatible/low current capability**

- **Reliable and rugged**
- **Choice of 3 bright colors**  
High efficiency red  
High brightness yellow  
High performance green



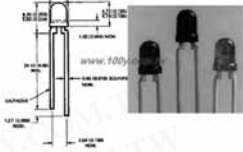
Part No.	Product No.	Manufacturer	Description	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf	View Angle
33539	HLMP-1340	Agilent	Ultra-Bright LED Lamps	30mA	635nm	45mcd	1.9V	45





### 3mm LED

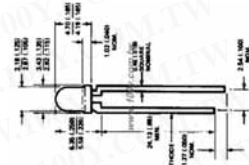
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



#### FEATURES

- High intensity
- Choice of 4 bright colors  
high efficiency red orange yellow high performance green
- Popular T-1 Diameter package
- Selected minimum intensities
- Wide viewing angle
- General purpose leads
- Reliable and rugged
- Available on tape and reel

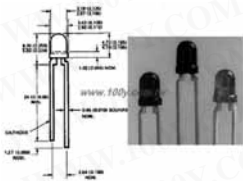
Part No.	Product No.	Manufacturer	Description	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf	View Angle
33514	HLMP-1401	Agilent	T-1 (3 mm) Diffused LED Lamps	20mA	583nm	6mcd	2.0V	60



#### FEATURES

- Improved brightness
- Improved color performance
- Available in popular T-1 and T-1 3/4 packages
- New sturdy leads
- IC compatible/low current capability
- Reliable and rugged
- Choice of 3 bright colors  
High efficiency red  
High brightness yellow  
High performance green

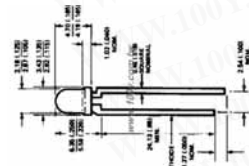
Part No.	Product No.	Manufacturer	Description	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf	View Angle
33540	HLMP-1440	Agilent	Ultra-Bright LED Lamps	20mA	583nm	45mcd	2.1V	45



#### FEATURES

- High intensity
- Choice of 4 bright colors  
high efficiency red orange yellow high performance green
- Popular T-1 Diameter package
- Selected minimum intensities
- Wide viewing angle
- General purpose leads
- Reliable and rugged
- Available on tape and reel

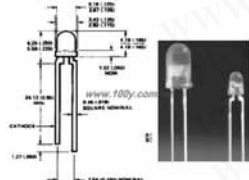
Part No.	Product No.	Manufacturer	Description	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf	View Angle
33511	HLMP-1503	Agilent	T-1 (3 mm) Diffused LED Lamps	10mA	570nm	5.0mcd	2.3V	60



#### FEATURES

- Improved brightness
- Improved color performance
- Available in popular T-1 and T-1 3/4 packages
- New sturdy leads
- IC compatible/low current capability
- Reliable and rugged
- Choice of 3 bright colors  
High efficiency red  
High brightness yellow  
High performance green

Part No.	Product No.	Manufacturer	Description	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf	View Angle
33541	HLMP-1540	Agilent	Ultra-Bright LED Lamps	30mA	565nm	45mcd	2.3V	45



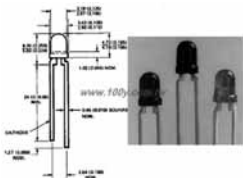
#### FEATURES

- Low power
- High efficiency
- CMOS-MOS compatible
- TTL compatible
- Wide viewing angle
- Choice of package style
- Choice of colors

#### APPLICATIONS

- Low power DC circuits
- Telecommunications indicators
- Portable equipment
- Keyboard indicators

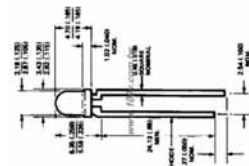
Part No.	Product No.	Manufacturer	Description	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf	View Angle
33553	HLMP-1700	Agilent	T-1 (3 mm), Low Current LED Lamps	7mA	635nm	2.0mcd	1.8V	50
33556	HLMP-1719	Agilent	T-1 (3 mm), Low Current LED Lamps	7mA	583nm	1.8mcd	1.9V	50
33559	HLMP-1790	Agilent	T-1 (3 mm), Low Current LED Lamps	7mA	565nm	1.8mcd	1.8V	50



#### FEATURES

- High intensity
- Choice of 4 bright colors  
high efficiency red orange yellow high performance green
- Popular T-1 Diameter package
- Selected minimum intensities
- Wide viewing angle
- General purpose leads
- Reliable and rugged
- Available on tape and reel

Part No.	Product No.	Manufacturer	Description	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf	View Angle
33515	HLMP-K401	Agilent	T-1 (3 mm) Diffused LED Lamps	30mA	600nm	5mcd	1.9V	60



#### FEATURES

- Improved brightness
- Improved color performance
- Available in popular T-1 and T-1 3/4 packages
- New sturdy leads
- IC compatible/low current capability
- Reliable and rugged
- Choice of 3 bright colors  
High efficiency red  
High brightness yellow  
High performance green

Part No.	Product No.	Manufacturer	Description	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf	View Angle
33542	HLMP-K640	Agilent	Ultra-Bright LED Lamps	30mA	558nm	21mcd	2.2V	45





### 3mm LED



**CHARACTERS**

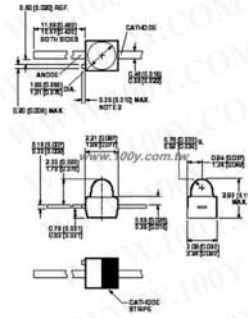
- High intensity
- Viewing angle 15°
- Reliable and rugged
- Standard 3mm diameter package

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

ITEM	MATERIALS
Resin (mold)	Epoxy
Lens color	Water transparent
Lead frame	Ag plating Iron alloy
Dice	InGaN

Part No.	Product No.	Manufacturer	Description	Emitting Color	Lens Color	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf	View Angle
39027	LA-304B2CA-3C-02	STONE	3mm ULTRA LED LAMP COLORED L314HD L314YD L314GDINTENSITY (mcd) @IF=10mA 3-8 12-24 14-34	Super Blue	Water Transparent	20	468	1600	3.2	15
39018	LA-304G4CA-2A-01	STONE	3mm ULTRA LED LAMP COLORED L314HD L314YD L314GDINTENSITY (mcd) @IF=10mA 3-8 12-24 14-34	Super Green	Water Clear	20	573	500	1.9	15
39026	LA-304G6CC-3C-01	STONE	3mm ULTRA LED LAMP COLORED L314HD L314YD L314GDINTENSITY (mcd) @IF=10mA 3-8 12-24 14-34	Super Green	Water Transparent	20	518	3600	3.2	30
39028	LA-304V4CA-1D-01	STONE	3mm ULTRA LED LAMP COLORED L314HD L314YD L314GDINTENSITY (mcd) @IF=10mA 3-8 12-24 14-34	Ultra Red	Water Transparent	20	628	1800	1.8	15

### Subminiature LED

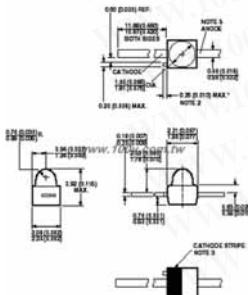


**FEATURES**

- **Subminiature flat top package**  
-ideal for backlighting and light piping applications
- **Subminiature dome package**  
-diffused dome for wide viewing angle  
-nondiffused dome for high brightness
- **TTL and LSTTL compatible 5 volt resistor lamps**
- **Available in six colors**
- **Ideal for space limited applications**
- **Axial leads**
- **Available with lead configurations for surface mount and through hole PC board mounting**

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

Part No.	Product No.	Manufacturer	Description	If max. (mA)	Wave length (nm)	Light (mcd)	Typical Vf	View Angle
33568	HLMP-6300	Agilent	Subminiature LED Lamps	30mA	635nm	3mcd	1.8V	90
33569	HLMP-6400	Agilent	Subminiature LED Lamps	20mA	583nm	3mcd	2.0V	90
33570	HLMP-6500	Agilent	Subminiature LED Lamps	30mA	565nm	3mcd	2.1V	90

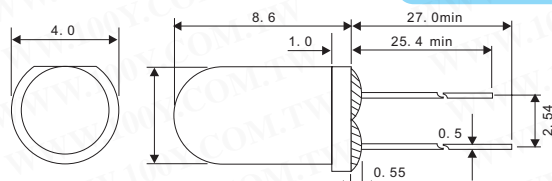


**FEATURES**

- **Subminiature flat top package**  
Ideal for backlighting and light piping applications
- **Subminiature dome package**  
Diffused dome for wide viewing angle  
Non-diffused dome for high brightness
- **Wide range of drive currents 500 µA to 50mA**
- **Ideal for space limited applications**
- **Axial leads**
- **Available with lead configurations for surface mount and through hole PC board mounting**

Part No.	Product No.	Manufacturer	Description	If max. (mA)	Wave length (nm)	Light (mcd)	Typical Vf	View Angle
33574	HLMP-Q102	Agilent	Subminiature High Performance TS AlGaAs Red LED Lamps	20mA	654nm	160mcd	1.9V	35
33575	HLMP-Q106	Agilent	Subminiature High Performance TS AlGaAs Red LED Lamps	20mA	654nm	400mcd	1.9V	15

### 5mm LED



**Note:**

1. All dimensions are in millimeters (inches)
2. Lead spacing is measured where the leads emerge from the package
3. Specifications are subject to change without notice

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

Part No.	Product No.	Manufacturer	Description	Emitting Color	Lens Color	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf/If	View Angle
31057	BL-B2134-AA	BRTLED	LED LAMP	Green	Green	20	568	12-57	2.2V	Diffusion
39017	BL-B3134-AT	STONE	φ5 LED Yellow	Yellow	Yellow	30	585	70	2.1V/30mA	35
31027	BL-B5134-AT	BRTLED	/LED LAMP	Red	Red	20	700	3~13	2.2	Diffusion
3290	L503OD	JOINSCAN	ORANGE LED LAMP	Orange	Orange	20	635nm	18-50	2.0V	Diffusion
1839	L503YD	JOINSCAN	YELLOW LED LAMP	Yellow	Yellow	20	600nm	11-35	2.1V	Diffusion



Device No	Color		Wavelength		VF Typical (V)	Brightness (mcd)		Bies Angle 2θ½	
	Emitter	Lens	λp	λd		Minimum	Typcial		
Φ5	HB5-433AGCA	Green	Water clear	520	540	3.50	2100	4300	45
	HB5-435AY	Yellow	Water clear	592	590	2.00	600	1000	40
	HB5-435AOR	Fresh red	Water clear	635	626	2.00	1000	1500	40
	HB5-437FA-C	Amber	Water clear	607	605	2.00	1800	2400	40

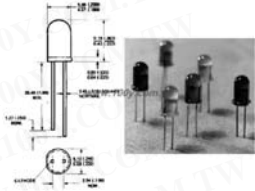




## 5mm LED

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

Part No.	Product No.	Manufacturer	Description	Emitting Color	Lens Color	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf/If	View Angle
16479	HB5-433AGCA	Haw Shuenn	ψ5 LED Super Green	Super Green	Water clear	30mA	523	9500	3.5V/20mA	2θ1/2 : 15°
16648	HB5-434AY	Haw Shuenn	ψ5 LED Super Yellow	Super Yellow	Water clear	25mA	592nm	3000mcd	2V/20mA	2θ1/2 : 12°
16480	HB5-435AOR	Haw Shuenn	ψ5 LED Super Red	Super Fresh Red	Water Clear	25mA	635	4500	2V/20mA	2θ1/2 : 12°
16647	HB5-437FA-C	Haw Shuenn	ψ5 LED Super Amber	Amber	Water clear	25mA	607nm	2400mcd	2V/20mA	2θ1/2 : 40°



### FEATURES

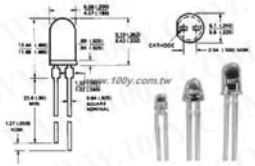
- High intensity
- Choice of 4 bright colors  
high efficiency red, orange, yellow  
high performance green
- Popular T-1¼ Diameter package
- Selected minimum intensities

- Wide viewing angle
- General purpose leads
- Reliable and rugged
- Available on tape and reel



Agilent Technologies

Part No.	Product No.	Manufacturer	Description	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf/If	View Angle
33531	HLMP-3301	Agilent	T-13/4 (5 mm) Diffused LED Lamps	30mA	635nm	7mcd	1.9V/10mA	60
33533	HLMP-3401	Agilent	T-13/4 (5 mm) Diffused LED Lamps	20mA	583nm	8mcd	2.0V/10mA	60
33534	HLMP-3507	Agilent	T-13/4 (5 mm) Diffused LED Lamps	30mA	565nm	5.2mcd	2.1V/10mA	60



### FEATURES

- Improved brightness
- Improved color performance
- Available in popular T-1 and T-1¼ packages
- New sturdy leads
- IC compatible/low current capability
- Reliable and rugged
- Choice of 3 bright colors  
High efficiency red High brightness yellow High Performance green

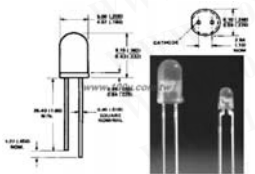
### APPLICATIONS

- Lighted switch
- Backlighting front panels
- Light pipe sources
- Keyboard indicators



Agilent Technologies

Part No.	Product No.	Manufacturer	Description	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf/If	View Angle
33535	HLMP-3750	Agilent	Ultra-Bright LED Lamps	30mA	635nm	125mcd	1.9V/20mA	24
33537	HLMP-3850	Agilent	Ultra-Bright LED Lamps	20mA	583nm	140mcd	2.1V/20mA	24
33538	HLMP-3950	Agilent	Ultra-Bright LED Lamps	30mA	565nm	120mcd	2.2V/20mA	24



### FEATURES

- Low power
- High efficiency
- CMOS-MOS compatible
- TTL compatible
- Wide viewing angle
- Choice of package style
- Choice of colors

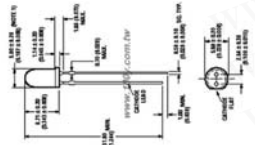
### APPLICATIONS

- Low power DC circuits
- Telecommunications indicators
- Por table equipment
- Keyboard indicators



Agilent Technologies

Part No.	Product No.	Manufacturer	Description	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf/If	View Angle
33550	HLMP-4700	Agilent	T-13/4 (5 mm), T-1 (3 mm), Low Current LED Lamps	2mA	625nm	2mcd	1.8V/2mA	50
33551	HLMP-4719	Agilent	T-13/4 (5 mm), T-1 (3 mm), Low Current LED Lamps	2mA	585nm	1.8mcd	1.9V/2mA	50
33552	HLMP-4740	Agilent	T-13/4 (5 mm), T-1 (3 mm), Low Current LED Lamps	2mA	570nm	1.8mcd	1.8V/2mA	50



### FEATURES

- Very high intensity
- Exceptional uniformity
- Microtint lens for color identification
- Consistent viewability
- All colors: AlGaAs red; high efficiency red  
yellow; orange; green; emerald green
- 15° and 25° family
- Tape and reel options available
- Binned for color and intensity

### APPLICATIONS

- Ideal for backlighting front panels
- Used for lighting switches
- Adapted for indoor and outdoor signs



Agilent Technologies

Part No.	Product No.	Manufacturer	Description	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf/If	View Angle
33578	HLMP-C115	Agilent	T-13/4 Super Ultra-Bright LED Lamps	30mA	645nm	600mcd	1.8V	15
33580	HLMP-C215	Agilent	T-13/4 Super Ultra-Bright LED Lamps	30mA	635nm	300mcd	1.9V	15
33581	HLMP-C223	Agilent	T-13/4 Super Ultra-Bright LED Lamps	30mA	635nm	170mcd	1.9V	25
33584	HLMP-C315	Agilent	T-13/4 Super Ultra-Bright LED Lamps	20mA	583nm	300mcd	2.1V	15
33586	HLMP-C323	Agilent	T-13/4 Super Ultra-Bright LED Lamps	20mA	583nm	170mcd	2.1V	25
33588	HLMP-C515	Agilent	T-13/4 Super Ultra-Bright LED Lamps	30mA	568nm	300mcd	2.2V	15
33592	HLMP-C523	Agilent	T-13/4 Super Ultra-Bright LED Lamps	30mA	568nm	170mcd	2.2V	25

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- If you cannot find the components you want on the catalogue, please call us.



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### 5mm LED

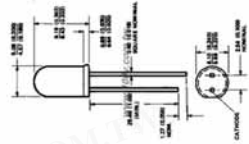
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

#### FEATURES

- Exceptional brightness
- Wide viewing angle
- Outstanding material efficiency
- Low forward voltage
- CMOS/MOS compatible
- TTL compatible
- Deep red color

#### APPLICATIONS

- Bright ambient lighting conditions
- Moving message panels
- Portable equipment
- General use



Part No.	Product No.	Manufacturer	Description	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf/If	View Angle
33563	HLMP-D101	Agilent	High Intensity, Double Heterojunction AlGaAs Red LED Lamps	30mA	645nm	70mcd	1.8V/20mA	65

#### FEATURES

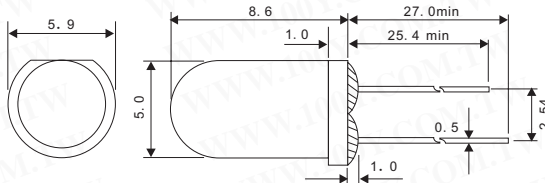
- Well defined spatial radiation patterns
- Viewing angles: 6°, 15°, 23°, 30°
- High luminous output
- Colors: 590 nm amber; 605nm orange  
615 nm reddish-orange  
625 nm red
- High operating temperature: T<sub>J</sub> LED=+130°C
- Superior resistance to moisture
- Package options: with or without lead stand-offs

#### APPLICATIONS

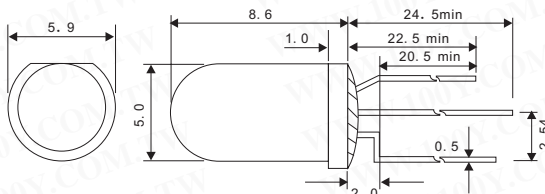
- Traffic management  
Traffic signals; pedestrian signals  
work zone warning lights; variable message signs
- Commercial outdoor advertising:  
signs ; marquees
- Automotive:  
Exterior and interior lights



Part No.	Product No.	Manufacturer	Description	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf/If	View Angle
33543	HLMP-EH24-SV000	Agilent	T-13/4 (5 mm) Precision Optical Performance AlInGaP LED Lamps	50mA	615nm	1500mcd	1.94V	23



Part No.	Product No.	Manufacturer	Description	Emitting Color	Lens Color	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf/If	View Angle
16187	L503WC	JOINSCAN	φ5 LED	Red	Limpid	20mA	660nm	11-35	1.8V	Diffusion
14289	L503YC-S	JOINSCAN	φ5 LED	Yellow Forward Orange	Limpid	20mA	600nm	11-35	2.1V	Diffusion



Part No.	Product No.	Manufacturer	Description	Emitting Color	Lens Color	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf/If	View Angle
3943	L505CM	JOINSCAN	5mm LED	Orange+Green	Milky	20	635+565	14~30	2.2	Diffusion

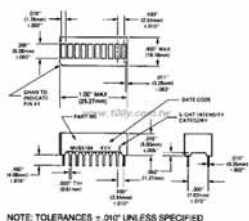


#### CHARACTERS

- High intensity
- Viewing angle 15°
- Reliable and rugged
- Standard 3mm diameter package

ITEM	MATERIALS
Resin (mold)	Epoxy
Lens color	Water transparent
Lead frame	Ag plating Iron alloy
Dice	InGaN

Part No.	Product No.	Manufacturer	Description	Emitting Color	Lens Color	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf/If	View Angle
31131	LA-503B2CA-2D-01	BRTLED	φ5 LED Blue	Super Blue	Water Transparent	20mA	468	3500mcd	3.6V/20mA	15
31134	LA-503V4CA-1D-01	BRTLED	φ5 LED Super Fresh Red	Super Fresh Red	Water Clear	20mA	635	6000	2.25V/20mA	
37491	LA-504W1CA-1B-02	STONE	φ5 LED Super White	Super White	Water Transparent	20mA		10000	3.2V/20mA	



#### FEATURES

- Large segments, closely spaced
- End-stackable
- Fast switching-excellent for multiplexing
- Low power consumption
- Directly compatible with IC's
- Wide viewing angle
- Standard 3-inch DIP lead spacing
- Categorized for luminous intensity

#### DESCRIPTION

The MV5X164 series is a 10 segment bargraph display with separate anodes and cathodes for each light segment. The packages are end-stackable.



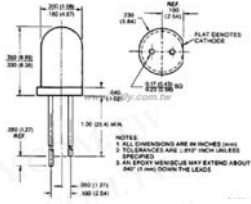
Part No.	Product No.	Manufacturer	Description	Lens Color	If max. mA	Wave length (nm)	Typical Vf/If
35510	MV53164	Fairchild	BARGRAPH DISPLAYS	Yellow	10mA	585nm	2.0V/10mA

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### 5mm LED



**FEATURES**

- High efficiency GaP light source with various lens effects
- Versatile mounting on PC board or panel
- Snap in grommet Mp52 available as separate order item
- Long life-solid state reliability
- Low power requirements
- Compact, rugged, lightweight



Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

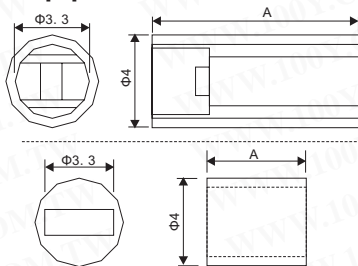
**DESCRIPTION**

These solid state indicators offer a variety of diffused lens effects and color availability. The high efficiency red and yellow devices are made with gallium arsenide phosphide on gallium phosphide. The green units are made with gallium phosphide on gallium phosphide. All devices are available with cathode long as MV5X5X. or with anode long as MV6X5X.

Part No.	Product No.	Manufacturer	Description	Lens Color	If max. mA	Wave length (nm)	Light (mcd)	Typical Vf/If	View Angle
35513	MV5354A	Fairchild	DIFFUSED T-1 SOLID STATE LAMPS	Yellow	30mA	585nm	5mcd	2V/10mA	30
35515	MV5454A	Fairchild	DIFFUSED T-1 SOLID STATE LAMPS	Green	30mA	565nm	5mcd	2V/10mA	30
35517	MV5754A	Fairchild	DIFFUSED T-1 SOLID STATE LAMPS	Red	30mA	635nm	5mcd	2V/10mA	30

Part No.	Product No.	Description	If max. mA	Wave length (nm)	Typical Vf/If
34936	SD8600-001	Optoschmitt Detector	12	1270	10

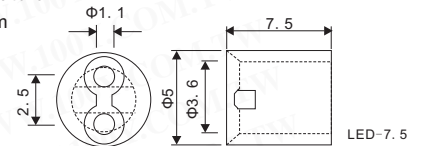
### LED Spacer Support



PART NO.	A
LEDS-10	10.0
LEDS-7.5	7.5

PART NO.	A
LEDS-3	3.0
LEDS-3.5	3.5

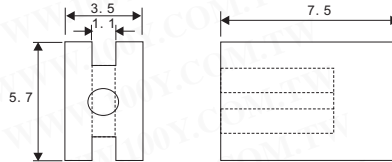
- Material: NYLON66 (UL)
- Flame class: 94V-2/94V-0
- Color: natural
- Unit: mm



Part No.	Product No.	Description	Material	Color
12178	LED-7.5	LED Spacer Support	NYLON 66 (UL)	NATURAL/BLACK
12438	LEDS-10	LED Spacer Support	NYLON 66 (UL)	NATURAL/BLACK
44489	LEDS-3	LED Spacer Support	NYLON 66 (UL)	NATURAL
23244	LEDS-3	LED Spacer Support	NYLON 66 (UL)	NATURAL/BLACK
44487	LEDS-3.5	LED Spacer Support	NYLON 66 (UL)	NATURAL
12179	LEDS-7.5	LED Spacer Support	NYLON 66 (UL)	NATURAL/BLACK

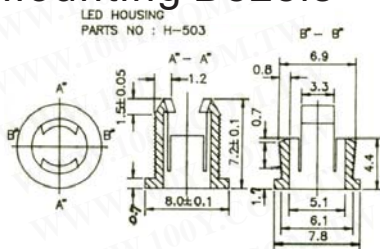


- Material: NYLON 66 (UL)
- Flame class: 94V-2
- Color: natural
- Unit: mm



Part No.	Product No.	Description	Material	Color
8218	LED3*7	LED Spacer Support	NYLON 66(UL)	NATURAL

### LED Holder / Mounting Bezels



Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

- Material: NYLON66 (UL)
- Flame class: 94V-2
- Color: black



Part No.	Product No.	Manufacturer	Description	Asemble hole	Outside Dia.	Inside Dia.
3952	H-503	JOINSCAN	ψ5 LED Housing	ψ5	6.1	5.1

### 10mm LED

[Http://us.100y.com.tw/](http://us.100y.com.tw/)

**Note:**

1. All dimensions are in millimeters (inches)
2. Lead spacing is measured where the leads emerge from the package
3. Specifications are subject to change without notice

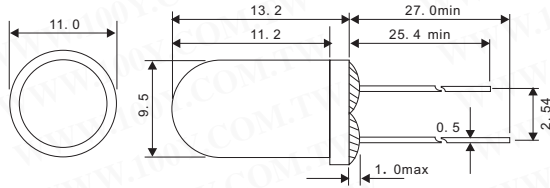
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

Part No.	Product No.	Manufacturer	Description	If max. mA	Emitting Color	light(mcd)	Lens Color	Typical Vf	Wave length (nm)	View Angle
38744	BL-2230A	BRTLLED	LED LAMP	30	GREEN	100	GREEN	2.2	568	Extendψ10mm
38743	BL-3230A	BRTLLED	LED LAMP	30	YELLOW	90	YELLOW	2.0	585	Extendψ10mm





## 10mm LED

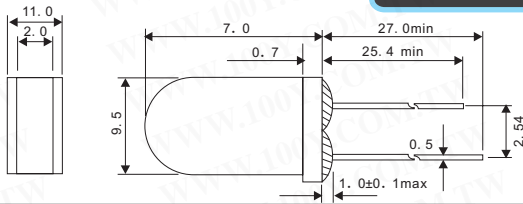


Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Part No.	Product No.	Manufacturer	Description	If max. mA	Emitting Color	light(mcd)	Lens Color	Typical Vf	Wave length (nm)	View Angle
35648	BL-B2130A	STONE	LED LAMP	30	GREEN	Iv Typ. 100	GREEN	Typ.2.2 / Max.2.6	568	Extendψ10mm
35646	BL-B3130A	STONE	LED LAMP	30	YELLOW	Iv Typ. 90	YELLOW	Typ.2.1 / Max.2.6	585	Extendψ10mm
33547	BL-B6130A-AT	STONE	LED LAMP	20	Red.	Iv Typ. 140	Red.	Typ.1.7 / Max.2.6	660	Extendψ10mm
8212	L103GD	JOINSCAN	10mmLED	20mA	Green	12~30	Green	2.2V	565	Extend ψ10mm
8213	L103YD	JOINSCAN	10mmLED	20	Yellow	15~40	Yellow	2.1	600	Extendψ10mm

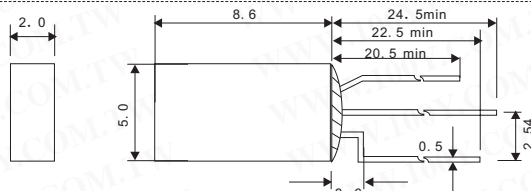
## Rectangular LED



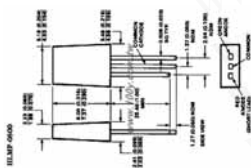
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Part No.	Product No.	Manufacturer	Description	Emitting Color	Lens Color	If max. mA	Wave length (nm)	light (mcd)	Typical Vf	View Angle
39013	BL-R2132B-AT	STONE	Rectangular LED	Green	Green	20	568	5	2.2	120
39015	BL-R3132B-AT	STONE	Rectangular LED	Yellow	Yellow	30	585	4	2.1	120
39014	BL-R5132B-AT	STONE	Rectangular LED	Bright Red	Red	15	700	0.8	2.2	120
3946	L253GD	JOINSCAN	Rectangular LED	Green	Green	20	565	3	2.2	Diffusion
3947	L253HD	JOINSCAN	Rectangular LED	Rad	Red	20	695	1	2.2	Diffusion
3948	L253YD	JOINSCAN	Rectangular LED	Yellow	Yellow	20	600	2.5	2.1	Diffusion



Part No.	Product No.	Manufacturer	Description	Emitting Color	Lens Color	If max. mA	Wave length (nm)	light (mcd)	Typical Vf	View Angle
39016	BL-REG202N	STONE	Rectangular LED	Hi-Eff Red+Green	White	30	Hi-Eff Red: 635, Green: 568	4	Hi-Eff Red: 2.0, Green: 2.2	125
3945	L245CM	JOINSCAN	Rectangular LED	Orange+Green	Milky	20	635+565	3~3.5	2+2.2	Common cathode bi-color



### DESCRIPTION

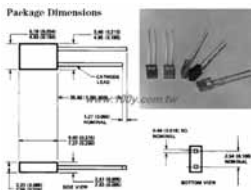
The T-1 3/4 HLMP-4000 and 2mm by 5mm rectangular HLMP-0800 are three leaded bicolor light sources designed for a variety of applications where dual state illumination is required in the same package. There are two LED chips, high performance green (green), mounted on a central common cathode lead for maximum on-axis viewability. Colors between HER and Green can be generated by independently pulse width modulating the LED chips

### FEATURES

- Two color (red, green) operations
- (Other two LED Color combinations available)
- Three leads with one common cathode
- Option of straight or spread lead configurations
- Diffused, wide visibility lens



Part No.	Product No.	Manufacturer	Description	If max. mA	Wave length (nm)	light (mcd)	Typical Vf	View Angle
33508	HLMP-0800	Agilent	T-13/4, 2 mm X 5 mm Rectangular Bicolor LED Lamps High Efficiency Red/ High Performance Green	20mA	630nm /Red/570nm Green	3.5mcd Red/4.0Green	2.1V Red/2.3V Green	100



### FEATURES

- Rectangular light emitting surface
- Excellent for flush mounting on panels
- Choice of five bright colors
- Long life: solid state reliability
- Excellent uniformity of light output

### DESCRIPTION

The HLMP-S100, -S200, -S300, -S400, -S500, S600 are epoxy encapsulated lamps in rectangular packages which are easily stacked in arrays or used for discrete front panel indicators. Contrast and light uniformity are diffusion and tinting process.

Part No.	Product No.	Manufacturer	Description	If max. mA	Wave length (nm)	light (mcd)	Typical Vf	View Angle
33565	HLMP-S200	Agilent	2 mm x 5 mm Rectangular LED Lamps	30mA	635nm	3.5mcd	1.9V	110

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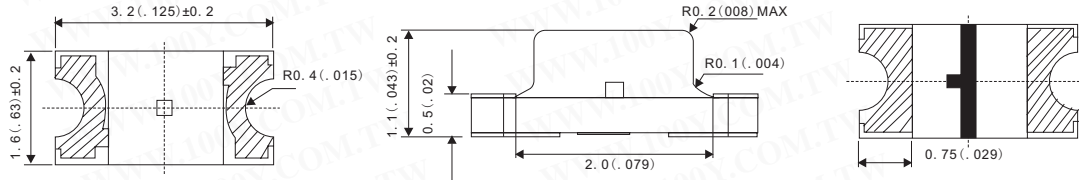
# Surface mount LED Lamps

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

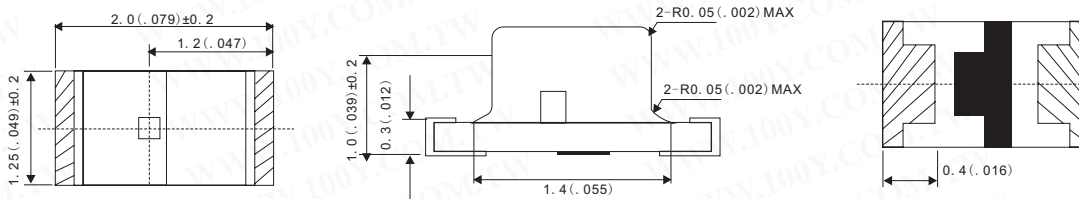


- NOTE:  
 1. All dimensions are in millimeters (inches)  
 2. Tolerance is  $\pm 0.10$  ( $.004''$ ) unless otherwise specified  
 3. Specifications are subject to change without notice.

Part No.	Product No.	Description	Emitting Color	If max. (mA)	Wave length (nm)	Vf(V)/20mAIf	light(mcd)	View Angle
40511	BL-HJE33-AV-TRB	1206 SMD LED	Super Orange Red	30mA	630nm	2.1V	100	120°



Part No.	Product No.	Manufacturer	Description	Resin Color	If max. (mA)	Wave length (nm)	Vf(V)/20mAIf	light(mcd)
31241	HG033-TR	BRTLED	1206 SMD LED	Yellow Green	30mA	568nm	2.2V	12
31244	HS133-TR	BRTLED	1206 SMD LED	Red	20mA	660nm	1.8V	15



Part No.	Product No.	Manufacturer	Description	Resin Color	If max. (mA)	Wave length (nm)	Vf(V)/20mAIf	light(mcd)
31206	HG035A-TR	BRTLED	0805 SMD LED	GREEN	20mA	568	2.2	



Part No.	Product No.	Manufacturer	Description	Resin Color	If max. (mA)	Wave length (nm)	Vf(V)/20mAIf	light(mcd)
31218	HG036D-TR	BRTLED	0603 SMD LED	GREEN	30mA	568nm	2.2V	12
31229	HS136D-TR	BRTLED	0603 SMD LED	RED	20mA	660nm	1.8V	14
31236	HY-036D-TR	BRTLED	0603 SMD LED	YELLOW	35mA	585nm	2V	6



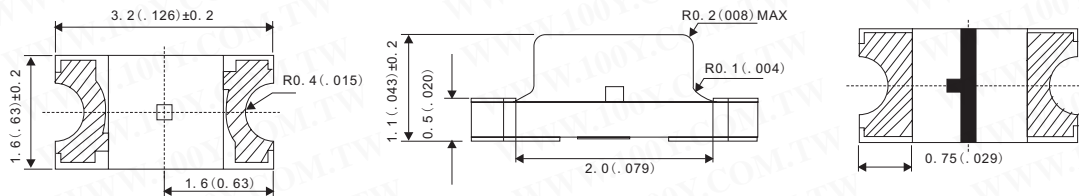
- Properties:  
 1.8mm ball lens  
 Water clear lens
- Application: miniature type indicator
- Package type:  
 Gull wind=TR7  
 Z bend=TR8
- Colors: red, green, yellow, orange, blue, cyan

Part No.	Product No.	Manufacturer	Description	Emitting Color	Resin Color	If max. (mA)	Wave length (nm)	Vf(V)/20mAIf	light(mcd)	View Angle
21622	HMIB-43BG/TR7	Haw Shuenn	Miniature Device LED	Super Yellow green	water clear	25mA	575	2.2V	900	201/2 : 24
21620	HMIB-44AY/TR7	Haw Shuenn	Miniature Device LED	Super-YELLOW	water clear	20mA	590	2V	1300	201/2 : 24

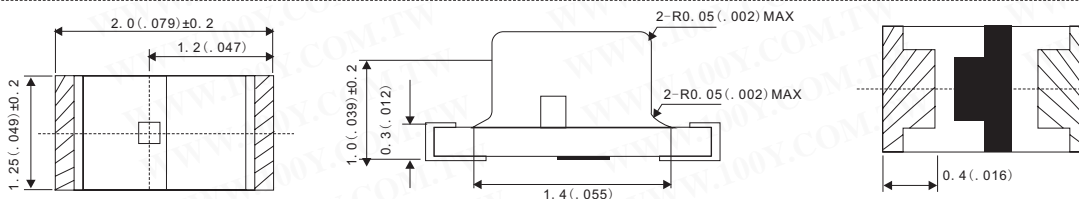


- Commodity: surface mount chip led lamp
- Device number: BL-HS135A-TR

Part No.	Product No.	Manufacturer	Description	Resin Color	If max. (mA)	Vf(V)/20mAIf
31209	HS135A-TR	BRTLED	0805 SMD LED	RED	20mA	5V



Part No.	Product No.	Manufacturer	Description	Emitting Color	If max. (mA)	Wave length (nm)	Vf(V)/20mAIf	light(mcd)	View Angle
35642	HY033-TR	STONE	1206 SMD LED	YELLOW	30mA	583	2.1	6.0	120°



Part No.	Product No.	Manufacturer	Description	Emitting Color	If max. (mA)	Wave length (nm)	Vf(V)/20mAIf	light(mcd)	View Angle
35636	HY035A-TR	STONE	0805 SMD LED	YELLOW	30mA	583	2.1	6.0	120°

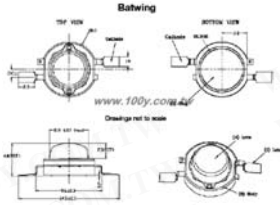






# Surface mount LED Lamps

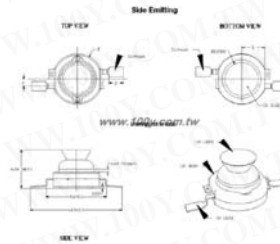
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



**NOTES:**

1. The anode side of the device is denoted by a hole in the lead frame. Electrical insulation between the case and the board is required-slug of device is not electrically neutral. Do not electrically connect either the anode or cathode to the slug.
2. All dimensions are in millimeters
3. All dimensions without tolerances are for reference only.

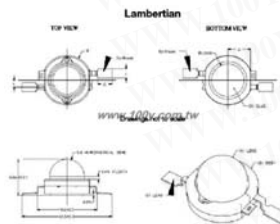
Part No.	Product No.	Manufacturer	Description	Emitting Color	If max. (mA)	Wave length (nm)	Vf(V)/20mAIf	light(mcd)	View Angle
34771	LXHL-BB01	LUMILEDS	Luxeon Emitter	Blue	500mA	470 nm	3.42V	16 lm	110
34772	LXHL-BD01	LUMILEDS	Luxeon Emitter	Red	550mA	625 nm	2.85V	27 lm	110
34773	LXHL-BM01	LUMILEDS	Luxeon Emitter	Green	500mA	530 nm	3.42V	53 lm	110
34774	LXHL-BR02	LUMILEDS	Luxeon Emitter	Royal blue	500mA	455 nm	3.42V		110
34775	LXHL-BW02	LUMILEDS	Luxeon Emitter	White	500mA	5500 K	3.42V	45 lm	110



**NOTES:**

1. The anode side of the device is denoted by a hole in the lead frame. Electrical insulation between the case and the board is required-slug of device is not electrically neutral. Do not electrically connect either the anode or cathode to the slug.
2. Caution must be used in handling this device to avoid damage to the lens surface that will reduce optical efficiency
3. All dimensions are in millimeters
4. All dimensions without tolerances are for reference only.

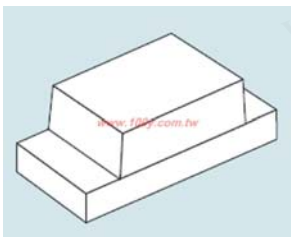
Part No.	Product No.	Manufacturer	Description	Emitting Color	If max. (mA)	Wave length (nm)	Vf(V)/20mAIf	light(mcd)	View Angle
34776	LXHL-DB01	LUMILEDS	Luxeon Emitter	Blue	500mA	470 nm	3.42V	14.5 lm	75° - 85°
41037	LXHL-DB02	LUMILEDS	Luxeon Emitter	Blue	700mA	470 nm	6.84V		75° - 85°
34777	LXHL-DD01	LUMILEDS	Luxeon Emitter	Red	550mA	627 nm	2.95V	40 lm	75° - 85°
34778	LXHL-DL01	LUMILEDS	Luxeon Emitter	Amber	550mA	590 nm	2.95V	38 lm	75° - 85°
34779	LXHL-DM01	LUMILEDS	Luxeon Emitter	Green	500mA	530 nm	3.42V	48 lm	75° - 85°
34780	LXHL-DR01	LUMILEDS	Luxeon Emitter	Royal blue	500mA	455 nm	3.42V		75° - 85°
34781	LXHL-DW01	LUMILEDS	Luxeon Emitter	White	500mA	5500 K	3.42V	40.5 lm	75° - 85°



**NOTES:**

1. The anode side of the device is denoted by a hole in the lead frame. Electrical insulation between the case and the board is required-slug of device is not electrically neutral. Do not electrically connect either the anode or cathode to the slug.
2. All dimensions are in millimeters
3. All dimensions without tolerances are for reference only.

Part No.	Product No.	Manufacturer	Description	Emitting Color	If max. (mA)	Wave length (nm)	Vf(V)/20mAIf	light(mcd)	View Angle
34782	LXHL-PB01	LUMILEDS	Luxeon Emitter	Blue	500mA	470 nm	3.42V	16 lm	140
34784	LXHL-PD01	LUMILEDS	Luxeon Emitter	Red	550mA	627 nm	2.95V	44 lm	140
34785	LXHL-PH01	LUMILEDS	Luxeon Emitter	Red Orange	550mA	617 nm	2.95V	55 lm	140
34786	LXHL-PL01	LUMILEDS	Luxeon Emitter	Amber	550mA	590 nm	2.95V	42 lm	140
34787	LXHL-PM01	LUMILEDS	Luxeon Emitter	Green	500mA	530 nm	3.42V	53 lm	140
34788	LXHL-PR03	LUMILEDS	Luxeon Emitter	Royal Blue	500mA	455 nm	3.42V		140
34789	LXHL-PW01	LUMILEDS	Luxeon Emitter	White	500mA	5500 K	3.42V	45 lm	140



Emitted Colour	Lens Colour	Peak Wavelength nm	Typ. Luminous Intensity (IF=20mA) mcd	Chip Height (H) mm	Manf. Part No.
Red	Water-clear	650	4	0.8	SML-210VT
Red	Water-clear	660	10	0.8	SML-210LT
Orange	Water-clear	610	6.3	0.8	SML-210DT
Yellow	Water-clear	585	6.3	0.8	SML-210YT
Green	Water-clear	570	16	0.8	SML-210MT

Part No.	Product No.	Manufacturer	Description	Emitting Color	If max. (mA)	Wave length (nm)	light(mcd)	View Angle
35164	SML-210DT	ROHM	LEDs, Surface Mount	Orange	20mA	610	6.3	140°
35163	SML-210LT	ROHM	LEDs, Surface Mount	Red	20mA	660	10	140°
35162	SML-210MT	ROHM	LEDs, Surface Mount	Green	20mA	570	16	140°
35161	SML-210VT	ROHM	LEDs, Surface Mount	Red	20mA	650	4	140°
35160	SML-210YT	ROHM	LEDs, Surface Mount	Yellow		585	6.3	140°





# Surface mount LED Lamps

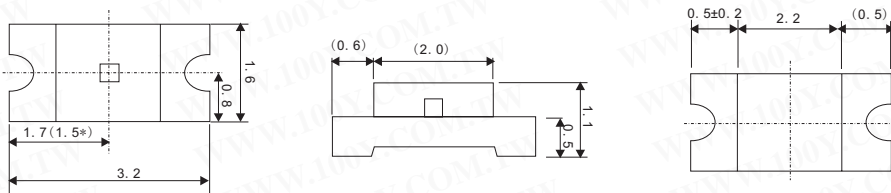
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



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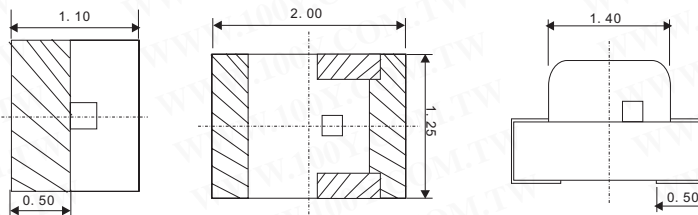
Emitted Colour	Lens Colour	Peak Wavelength nm	Typ. Luminous Intensity (IF=20mA) mcd	Chip Height (H) mm	Manf. Part No.
Red	Water-clear	650	4	0.8	SML-310VT
Red	Water-clear	660	10	0.8	SML-310LT
Orange	Water-clear	610	6.3	0.8	SML-310DT
Yellow	Water-clear	585	6.3	0.8	SML-310YT
Green	Water-clear	570	16	0.8	SML-310MT

Part No.	Product No.	Manufacturer	Description	Emitting Color	If max. (mA)	Wave length (nm)	light(mcd)	View Angle
35158	SML-310DT	ROHM	LEDs, Surface Mount	Orange	20mA	610	6.3	140°
35157	SML-310LT	ROHM	LEDs, Surface Mount	Red	20mA	660	10	140°
35154	SML-310MT	ROHM	LEDs, Surface Mount	Green	20mA	570	16	140°
35169	SML-310VT	ROHM	LEDs, Surface Mount	Red	20mA	650	4	140°
35152	SML-310YT	ROHM	LEDs, Surface Mount	Yellow	20mA		6.3	140°

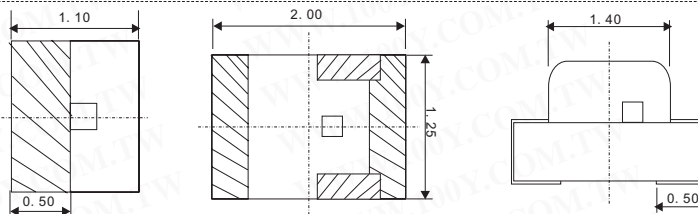


Unit: mm  
Tolerance: ±0.1

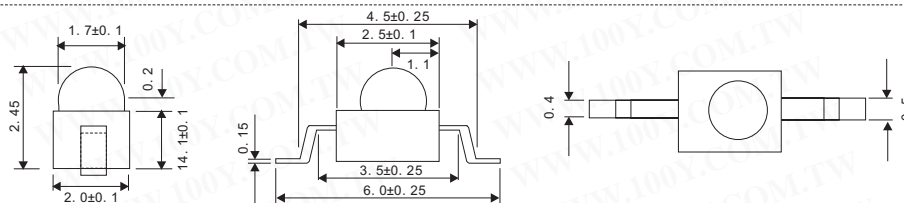
Part No.	Product No.	Manufacturer	Description	Resin Color	If max. (mA)	Wave length (nm)	Vf(V)/20mAIf	light(mcd)
29205	SMT-150SR	JOINSCAN	1206 SMD LED	Red	20mA	650nm	1.8V	45
29203	SMT-150Y	JOINSCAN	1206 SMD LED	Yellow	20mA	589nm	2.1V	5
29206	SMT-150YG	JOINSCAN	1206 SMD LED	Yellow Green	20mA	570nm	2.2V	10



Part No.	Product No.	Manufacturer	Description	Resin Color	If max. (mA)	Wave length (nm)	Vf(V)/20mAIf
13794	SMT-170UR	JOINSCAN	0805 SMD LED	RED	30mA	660	5V



Part No.	Product No.	Manufacturer	Description	Resin Color	If max. (mA)	Wave length (nm)	Vf(V)/20mAIf	light(mcd)	View Angle
20108	SMT-190SR	JOINSCAN	0603 SMD LED	RED	20mA	650nm	1.8V	45	25
20109	SMT-190Y	JOINSCAN	0603 SMD LED	YELLOW	20mA	589nm	2.1V	5	25
22265	SMT-190YG	JOINSCAN	0603 SMD LED	YELLOW GREEN	20mA	570nm	2.2V	10	25



Part No.	Product No.	Manufacturer	Description	Emitting Color	Resin Color	If max. (mA)	Wave length (nm)	Vf(V)/20mAIf	light(mcd)
10275	SMT1-1020PT	SHIAN YIH	SMD LED	Red	Red Clear	20mA	700	2.0	5.2
10277	SMT1-1040AC	SHIAN YIH	SMD LED	Yellow	Yellow Clear	20mA	585	2.0	15

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**Centenary Materials**

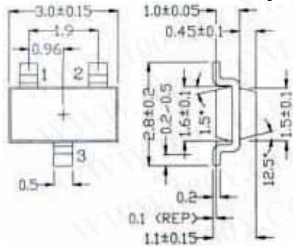
waiting for your phone call





## Surface mount LED Lamps

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

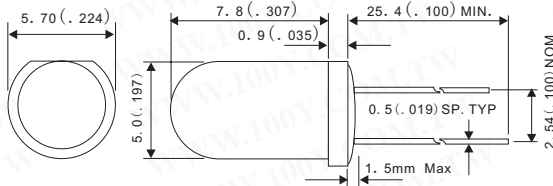


Part number	Resin color	Emitting color	Peak wavelength		VF (V)		IR (uA)		Luminous Intensity (mcd)		
			λ	P (mm) TYP	Typ	Max.	IF (mA)	Max.	VR (V)	Typ	IF (mA)
SY-1520PC	Red clear	Red	700		2.1	2.8	20	100	5	2.0	20
SY-1540AC	Yellow clear	Yellow	585		2.1	2.8	20	100	5	3.0	20
SY-1550PC	Green clear	Green	570		2.1	2.8	20	100	5	3.0	20

Part No.	Product No.	Manufacturer	Description	Emitting Color	Resin Color	If max. (mA)	Wave length (nm)	Vf(V)/20mAIf	light(mcd)
10270	SY-1520PC	SHIAN YIH	SMD LED	Red	Red Clear	20mA	700nm	2.1V	2.0
10274	SY-1540AC	SHIAN YIH	SMD LED	Yellow	Yellow Clear	20mA	585	2.1V	3
10273	SY-1550PC	SHIAN YIH	SMD LED	Green	Green Clear	20mA	570	2.1V	3.0

## 5mm UV LED

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

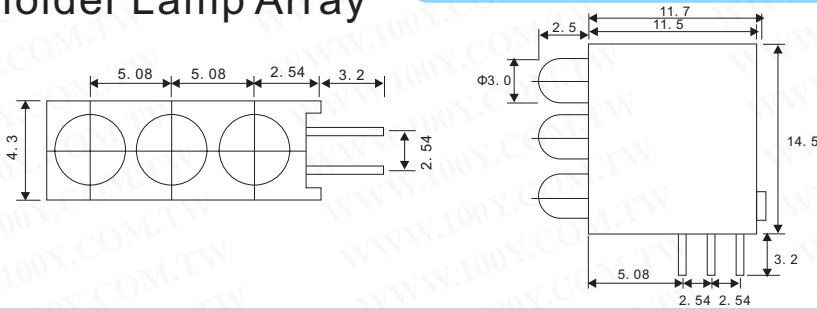


1. All dimension are in millimeters (inches)
2. Tolerance is ±0.25mm (0.01") unless otherwise specified

Part No.	Product No.	Description	Lens Color	Wave length (nm)	Typical Vf/If	View Angle	Emitting Color
40327	L-5T47PU1C-D2	5mm UV LED	Water Clear Water Clear	400	3.5	18	Purple

## PCB Mounting LED 3mm φ LED Holder Lamp Array

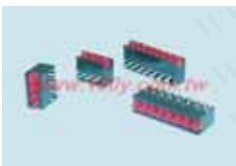
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



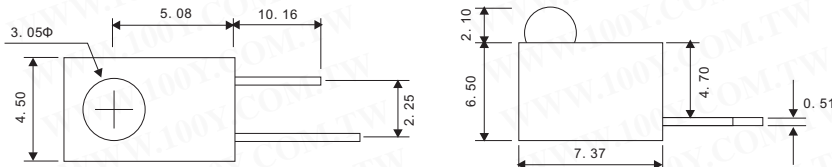
### FEATURES

- Low power consumption
- Wide viewing angle
- Long life-solid state reliability

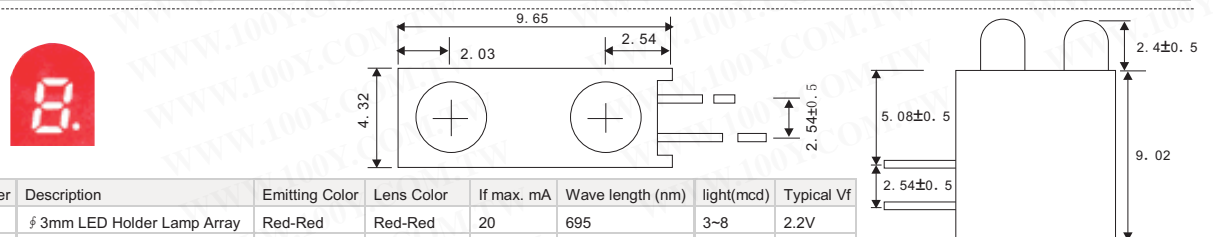
Part No.	Product No.	Manufacturer	Description	Emitting Color	Lens Color	If max. mA	Wave length (nm)	light(mcd)	Typical Vf
39012	BL-39GGG-3	STONE	φ3mm LED Holder Lamp Array	Green-Green-Green	Green-Green-Green	20	567	70	2.6V



Part No.	Product No.	Manufacturer	Description	Emitting Color	Lens Color	If max. mA	Wave length (nm)	light(mcd)
17527	F623179	MENTOR	LED PCB MOUNTING RED *4	SuperRed	Red*4	50	625	3.2
17526	F623180	MENTOR	LED PCB MOUNTING RED X8	SuperRed	Red*8	50	625	3.2



Part No.	Product No.	Manufacturer	Description	Emitting Color	Lens Color	If max. mA	Wave length (nm)	light(mcd)	Typical Vf
13594	H302GD	JOINSCAN	φ3mm LED Holder Lamp Array	Green	Green	20	565	6.5	2.2
6069	H302HD	JOINSCAN	φ3mm LED Holder Lamp Array	Red	Red	20	695	1.5	2.2
6068	H302YD	JOINSCAN	φ3mm LED Holder Lamp Array	Yellow	Yellow	20	600	6.0	2.1



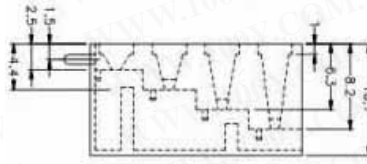
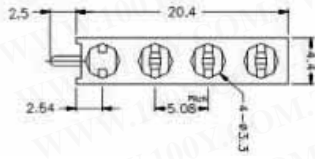
Part No.	Product No.	Manufacturer	Description	Emitting Color	Lens Color	If max. mA	Wave length (nm)	light(mcd)	Typical Vf
6070	H3031	JOINSCAN	φ3mm LED Holder Lamp Array	Red-Red	Red-Red	20	695	3-8	2.2V
8216	H3032	JOINSCAN	φ3mm LED Holder Lamp Array	Green-Green	Green-Green	20	565	14-34	2.2V





### 3mm $\phi$ LED Holder Lamp Array

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



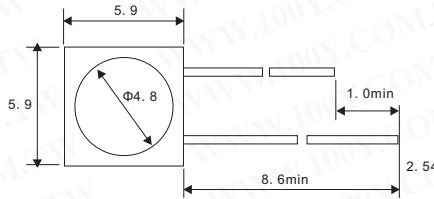
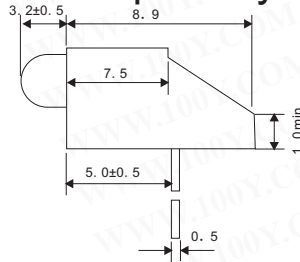
- Material: NYLON 66 (UL)
- Flame class: 94V-2
- Color: black
- Unit: mm



Part No.	Product No.	Manufacturer	Description	Emitting Color	Lens Color	If max. mA	Wave length (nm)	light(mcd)	Typical Vf
25843	H309GGG	JOINSCAN	$\phi$ 3mm LED Holder Lamp Array	Green-Green-Green	Green-Green-Green	20	565	14~34	2.2V
21922	H309GGGG	JOINSCAN	$\phi$ 3mm LED Holder Lamp Array	Green-Green-Green-Green	Green-Green-Green-Green	20	565	14~34	2.2V

### 5mm $\phi$ LED Holder Lamp Array

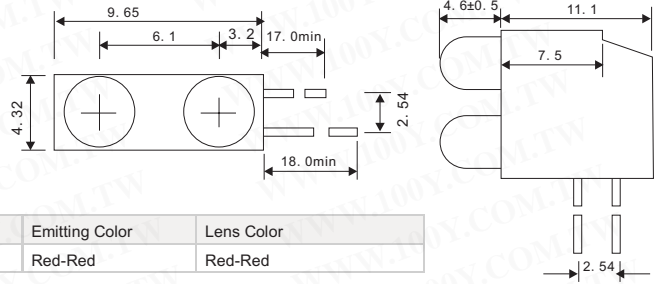
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Part No.	Product No.	Manufacturer	Description	Emitting Color	Lens Color	If max. mA	Wave length (nm)	light( mcd)	Typical Vf
8215	H401GD	JOINSCAN	$\phi$ 5mm LED Holder Lamp Array	Green	Green	20	565	7.6	2.2
10725	H401HD	JOINSCAN	$\phi$ 5mm LED Holder Lamp Array	Red	Red	100	695	3.0	2.2



$\phi$  5mm LED Holder Lamp Array



Part No.	Product No.	Manufacturer	Description	Emitting Color	Lens Color
8214	H4021	JOINSCAN	$\phi$ 5mm LED Holder Lamp Array	Red-Red	Red-Red

### LED Indicators 3mm LED with Bezel

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



3mm 2V LED Indicator light woresistpr 2V

Part No.	Product No.	Description
3666	1033A	3mm LED With Bezel-2V DC
8159	1033B	3mm LED With Bezel-2V DC
8178	1033C	3mm LED With Bezel 2V DC



LED Signal Lamp



Part No.	Product No.	Manufacturer	Description
30611	AD1622D23SG	DEMEX	LED Signal Lamp

### 4mm LED with Bezel

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



LED With Bezel -110V DC

Part No.	Product No.	Description
8166	1001A-G	LED With Bezel-110V DC
8165	1001A-R	LED With Bezel -110V DC
8162	1038B	4mm LED With Bezel-110V AC
8142	1038C	4mm LED With Bezel 110V
3359	1038R	4mm LED With Bezel-110V AC

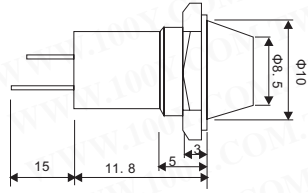


Part No.	Product No.	Description
4361	1001A-Y	4mm LED With Bezel -110V
8169	1001B-G	4mm LED With Bezel-220V AC
8167	1001B-R	4mm LED With Bezel-220V AC
8168	1001B-Y	4mm LED With Bezel -220V AC



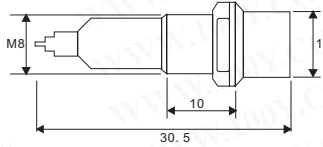


### 5mm LED with Bezel



Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

Part No.	Product No.	Description
15472	1034A	5mm LED With Bezel-2V DC
8164	1034A	5mm LED With Bezel 2V DC
3665	1034B	5mm LED With Bezel-2V DC
15473	1034C	5mm LED With Bezel-2V DC
8163	1034C	5mm LED With Bezel 2V DC
8332	1039A	5mm LED With Bezel - 12V DC



Part No.	Product No.	Description
8179	1039B	4mm LED With Bezel-12V DC
8143	1039C	5mm LED With Bezel 12V DC

### 8mm LED With Bezel



Part No.	Product No.	Description
16584	8015D-G	8mm LED With Bezel DC24V
16582	8015D-R	8mm LED With Bezel
16583	8015D-Y	8mm LED With Bezel

### 6mm LED with Bezel



- Color: Red, Green, Yellow, White, Blue
- Voltage: 6V-24V 110-240V

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Part No.	Product No.	Manufacturer	Description
29543	DPR6249GS	DEMEX	6mm LED Signal Lamps-DC 24V
29542	DPR6249RS	DEMEX	6mm LED Signal Lamps-DC 24V
29545	DPR6249WS	DEMEX	6mm LED Signal Lamps-DC 24V
29544	DPR6249YS	DEMEX	6mm LED Signal Lamps-DC 24V
29539	NP619GS	DEMEX	6mm LED Signal Lamps-AC 110V
29538	NP619RS	DEMEX	6mm LED Signal Lamps-AC 110V
29541	NP619WS	DEMEX	6mm LED Signal Lamps-AC 110V
29540	NP619YS	DEMEX	6mm LED Signal Lamps-AC 110V

### 8mm LED with Bezel



- Color: Red, Green, Yellow, White, Blue
- Voltage: 6V-24V 110-240V

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Part No.	Product No.	Manufacturer	Description
29553	DPR8249GS	DEMEX	8mm LED Signal Lamps-DC 24V
29552	DPR8249RS	DEMEX	8mm LED Signal Lamps-DC 24V
29555	DPR8249WS	DEMEX	8mm LED Signal Lamps-DC 24V
29554	DPR8249YS	DEMEX	8mm LED Signal Lamps-DC 24V
29548	NP819GS	DEMEX	8mm LED Signal Lamps-AC 110V
29547	NP819RS	DEMEX	8mm LED Signal Lamps-AC 110V
29551	NP819WS	DEMEX	8mm LED Signal Lamps-AC 110V
29550	NP819YS	DEMEX	8mm LED Signal Lamps-AC 110V

### 10mm LED with Bezel



- Color: Red, Green, Yellow, White, Blue
- Voltage: 6V-24V 110-240V

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Part No.	Product No.	Manufacturer	Description
29563	DPR10249GS	DEMEX	10mm LED Signal Lamps-DC 24V
29562	DPR10249RS	DEMEX	10mm LED Signal Lamps-DC 24V
29565	DPR10249WS	DEMEX	10mm LED Signal Lamps-DC 24V
29564	DPR10249YS	DEMEX	10mm LED Signal Lamps-DC 24V
29559	NP1019GS	DEMEX	10mm LED Signal Lamps-AC 110V
29558	NP1019RS	DEMEX	10mm LED Signal Lamps-AC 110V
29561	NP1019WS	DEMEX	10mm LED Signal Lamps-AC 110V





### 10mm LED with Bezel

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

Part No.	Product No.	Manufacturer	Description
29560	NP1019YS	DEMEX	10mm LED Signal Lamps-AC 110V
44951	NP1029RS	DEMEX	10mm LED Signal Lamps-AC 220V/240V

### 12mm LED with Bezel

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



- Color: Red, Green, Yellow, White, Blue
- Voltage: 6V-24V 110-240V



Part No.	Product No.	Manufacturer	Description
29574	DPR12249GS	DEMEX	12mm LED Signal Lamps-DC 24V
29573	DPR12249RS	DEMEX	12mm LED Signal Lamps-DC 24V
29576	DPR12249WS	DEMEX	12mm LED Signal Lamps-DC 24V
29575	DPR12249YS	DEMEX	12mm LED Signal Lamps-DC 24V
29568	NP1219GS	DEMEX	12mm LED Signal Lamps-AC 110V
29567	NP1219RS	DEMEX	12mm LED Signal Lamps-AC 110V
29571	NP1219WS	DEMEX	12mm LED Signal Lamps-AC 110V
29570	NP1219YS	DEMEX	12mm LED Signal Lamps-AC 110V

### Others LED LAMP

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



LED Signal Lamp



Part No.	Product No.	Manufacturer	Description
30659	AD1622D23SA	DEMEX	LED Signal Lamp
29579	AD1622D23SR	DEMEX	LED Signal Lamp
30658	AD1622D26SA	DEMEX	LED Signal Lamp
30594	AD1622D26SG	DEMEX	LED Signal Lamp
29580	AD1622D26SR	DEMEX	LED Signal Lamp



LED Signal Lamp



Part No.	Product No.	Manufacturer	Description
30617	AD16A16D23SG	DEMEX	LED Signal Lamp
30616	AD16A16D23SR	DEMEX	LED Signal Lamp
30618	AD16A16D23SY	DEMEX	LED Signal Lamp



LED Signal Lamp



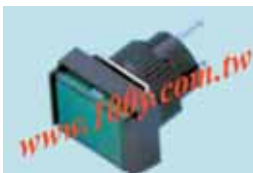
Part No.	Product No.	Manufacturer	Description
30614	AD16B16D23SG	DEMEX	LED Signal Lamp
29577	AD16B16D23SR	DEMEX	LED Signal Lamps
30613	AD16B16D23SY	DEMEX	LED Signal Lamp
30615	AD16B16D26SG	DEMEX	LED Signal Lamp
29578	AD16B16D26SR	DEMEX	LED Signal Lamps
30612	AD16B16D26SY	DEMEX	LED Signal Lamp



LED Signal Lamp



Part No.	Product No.	Manufacturer	Description
29581	AD26B2225MR23	DEMEX	Buzzer With Flasher
29582	AD26B2225MR26	DEMEX	Buzzer With Flasher

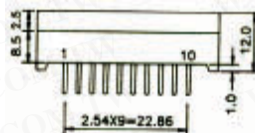
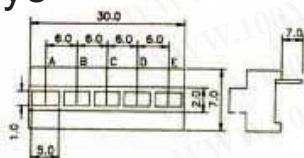


Temperature: 45% to 80% RH

Part No.	Product No.	Manufacturer	Description
44268	TN16-PLL41R1	TEND	16m/m Pilot lamp(LED lamp) Round Push Botton Switch
44181	TN16-PLR61R1	TEND	16m/m Pilot lamp(LED lamp) Round Push Botton Switch

### LED Bar Arrays Light Bar Arrays

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

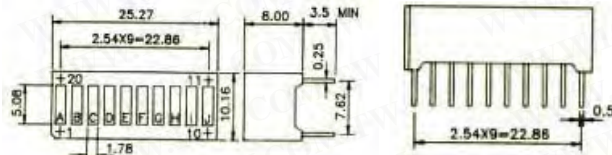




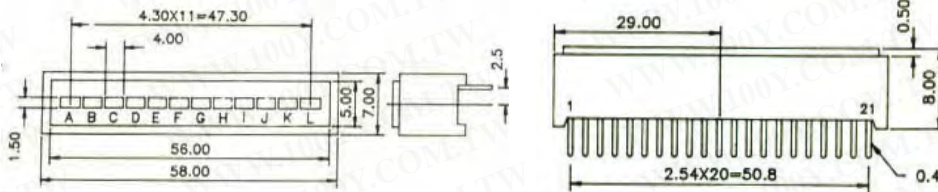
# Light Bar Arrays

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

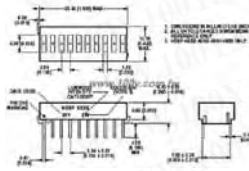
Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf/@If=20mA	Liminous @If=10mA	Device Size
12227	B1505G	JOINSCAN	5 Bar LED/Green	565	2.3V	2000ucd	30*7
40380	B1505RS	JOINSCAN	5 Bar LED/Green	565	2.3V	2000ucd	30*7



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf/@If=20mA	Liminous @If=10mA	Device Size
7407	B2510G-BW	JOINSCAN	10 Bar LED/Green	565	2.3V	2000ucd	25.27*10.16
7143	B2510RS-BW	JOINSCAN	10 Bar LED/Ultra-Bright Red	695	2.3V	25000ucd	25.27*10.16



Part No.	Product No.	Manufacturer	Description	Device Size
7410	B4127A-BW	JOINSCAN	12 Bar LED/ Green, Yellow, Red	58*7.0



### FEATURES

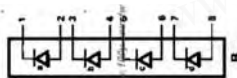
- Custom multicolor array capability
- Matched LEDs for uniform appearance
- End stackable
- Package interlock ensure correct alignment
- Low profile package
- Rugged construction
- Large, easily recognizable segments
- High ON-OFF contrast, segment to segment

- Wide viewing angle
  - Categorized for luminous intensity
  - HDSP-4832/4836/4840/4850 categorized for dominant wavelength
  - HLCP-J100 operates at low current
- Typical intensity of 1.0 mcd at 1mA drive current

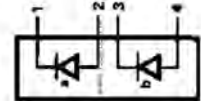
### APPLICATIONS

- Industrial controls
- Office equipment
- Instrumentation
- Computer peripherals
- Consumer products

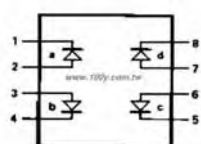
Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf/@If=20mA	Liminous @If=10mA	Device Size
33356	HDSP-4830	Agilent	Agilent 10-Element Bar Graph Array	626 nm	2.1 V	3500 ucd	6.1*10.16*25.4mm
33358	HDSP-4832	Agilent	Agilent 10-Element Bar Graph Array	626 nm	2.1 V	3500 ucd	6.1*10.16*25.4mm
33359	HDSP-4850	Agilent	Agilent 10-Element Bar Graph Array	571 nm		1900 ucd	6.1*10.16*25.4mm
33498	HLCP-J100	Agilent	10-Element Bar Graph Array	645 nm	1.8V		6.1*10.16*25.4mm



HLMP-2450-EF000  
HLMP-2550-FG000



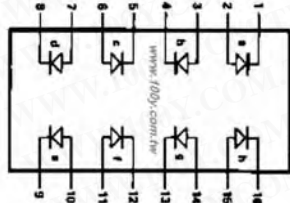
HLMP-2500-FG000



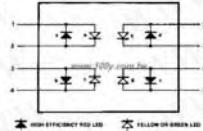
HLMP-2655-EF000  
HLMP-2855-FG000

### APPLICATIONS

- Business machine Message annunciators
- Telecommunications indicators
- Front panel process status indicators
- PC board identifiers
- Bar graphs



HLMP-2785-EF000  
HLMP-2685-EF000  
HLMP-2885-FG000



HLMP-2965

### FEATURES

- Large bright, uniform light emitting areas
- Choice of colors
- Categorized for light output
- Yellow and Green categorized for dominant wavelength
- Excellent ON-OFF contrast
- X-Y stackable
- Flush mountable
- Can be Used with panel and legend mounts
- Light emitting surface suitable for legend attachment per application Note 1012
- HLCP-X100 series designed for low current operation
- Bicolor devices available



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf/@If=20mA	Device Size
33521	HLMP-2500-FG000	Agilent	LED Light Bars	565 nm	2.2 V	10.16*4.95*6.22mm
33523	HLMP-2550-FG000	Agilent	LED Light Bars	565 nm	2.2 V	20.32*4.95*6.22mm
33524	HLMP-2655-EF000	Agilent	LED Light Bars	635 nm	2.0 V	10.16*10.16*6.22mm
33525	HLMP-2685-EF000	Agilent	LED Light Bars	635 nm	2.0 V	20.32*10.16*6.22mm
40557	HLMP-2785-EF000	Agilent	LED Light Bars	635 nm	2.0 V	8.89*19.05mm
33527	HLMP-2855-FG000	Agilent	LED Light Bars	565 nm	2.2 V	10.16*10.16*6.22mm
33529	HLMP-2885-FG000	Agilent	LED Light Bars	565 nm	2.2 V	20.32*10.16*6.22mm
33528	HLMP-2965	Agilent	LED Light Bars	565 nm	2.2 V	10.16*10.16*6.22mm





# LED Displays

## 7-Segment LED Display

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



- Wave length (nm) :655
- Vf/@If=20mA : 9V
- Liminous @If=10mA: 75000ucd
- Device size : 89.8W\*121.7H\*15D

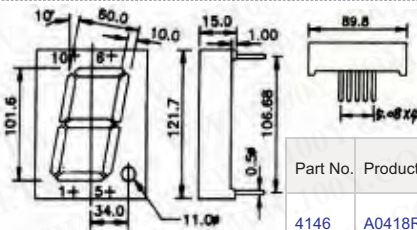


Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf/@If=20mA	Liminous @If=10mA	Device Size
13450	2A0418RS	JOINSCAN	4" 7-Segment LED Display/Common Anode/Black Background White Word	655	9V	75000ucd	89.8W*121.7H*15D



PLC card

Part No.	Product No.	Description
21918	A04-0016	PLC card



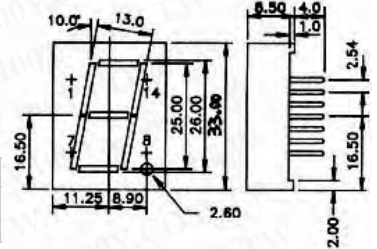
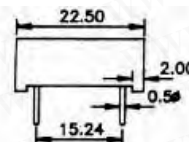
4" 7-Segment LED Display/Common Anode



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf/@If=20mA	Liminous @If=10mA	Device Size
4146	A0418RS-BR	JOINSCAN	4" 7-Segment LED Display/Common Anode	655	9V	75000ucd	89.8W*121.7H*15D



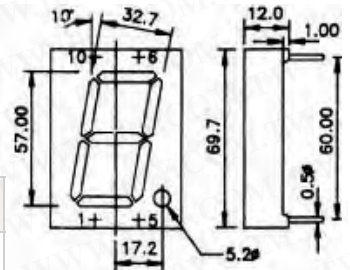
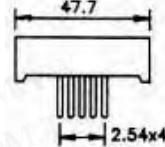
1.0inch 7-Segment LED Display/Common Anode/ 4.7\*7cm



Part No.	Product No.	Description	Wave Length (nm)	Vf/@If=20mA	Liminous @If=10mA	Device Size
17914	A1018RS	1.0inch 7-Segment LED Display/Common Anode/ 4.7*7cm	655nm	3.6V	10000ucd	330H*225W*125D



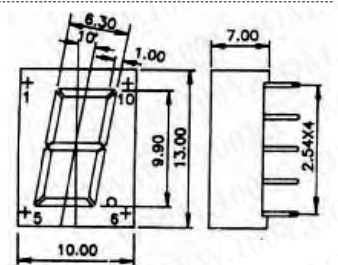
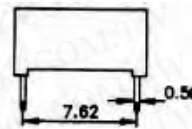
2.3inch 7-Segment LED Display/Active Low/ Red Light /Black Background White Word 4.7\*7cm Common Anode



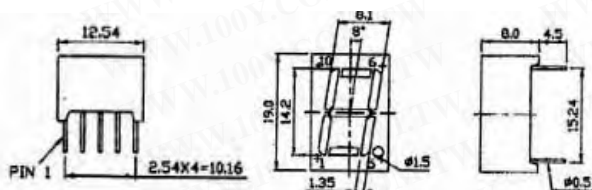
Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf/@If=20mA	Liminous @If=10mA	Device Size
17877	A2318RS	JOINSCAN	2.3inch 7-Segment LED Display/Active Low/Red Light /Black Background White Word 4.7*7cm Common Anode	655	7.2V	50000ucd	697H*477W*12D



7-Segment LED Display/Common Anode



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf/@If=20mA	Liminous @If=10mA	Device Size
17202	A3918RS	JOINSCAN	7-Segment LED Display/Common Anode	655	1.5V	5000ucd	0.39" 13*10



0.56"7-Segment LED Display/Common Anode/RED



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf/@If=20mA	Liminous @If=10mA	Device Size
37589	A5618G	JOINSCAN	0.56"7-Segment LED Display/Common Anode/RED	570	2.2V	4.5mcd	12.54W*19.0L*8.0H
37537	A5618RS	JOINSCAN	0.56"7-Segment LED Display/Common Anode/RED	650	1.8V	8.0mcd	12.54W*19.0L*8.0H

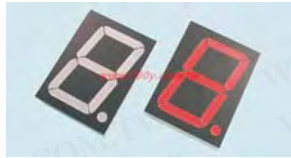






# 7-Segment LED Display

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

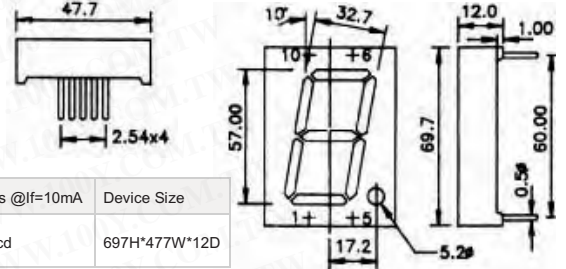


4" 7-Segment LED Display/Common Cathode

Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA	Liminous @If=10mA	Device Size
4145	C0418RS-BW	JOINSCAN	4" 7-Segment LED Display/Common Cathode	655	9V	75000ucd	89.8W*121.7H*15D



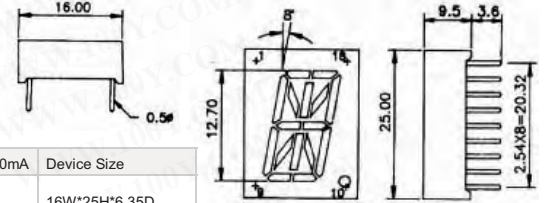
2.3inch 7-Segment LED Display/  
Common Cathode/Red Light/ 4.7\*7cm



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA	Liminous @If=10mA	Device Size
15578	C2318RS	JOINSCAN	2.3inch 7-Segment LED Display/Common Cathode/Red Light/ 4.7*7cm	655	7.2V	50000ucd	697H*477W*12D



0.5" 7-Segment LED Display /Common Cathode/ GREEN

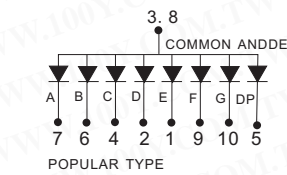
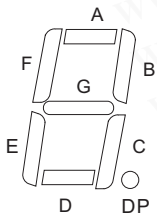
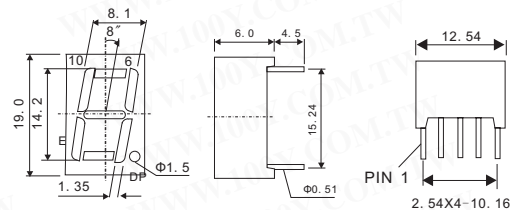


Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA	Liminous @If=10mA	Device Size
7413	C501K-HO	JOINSCAN	0.5" 7-Segment LED Display/Common Cathode/ORANGE	635	2	2000ucd	16W*25H*6.35D
7398	C5618G	JOINSCAN	0.5" 7-Segment LED Display /Common Cathode/ GREEN	565	2.3	2000ucd	12.7W*19.05H*6.35D

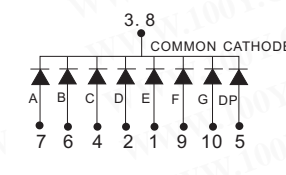


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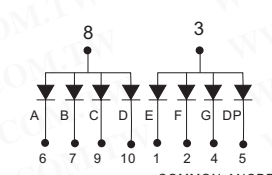
1. Typical forward current 10-20mA MAXimum forward current 25 mA
2. Solder Temperature 1.0mm Below seatime plane less 5 seconds at 250°C +5°C -30°C
3. Feak Foward current Pcr Dicc Duty cycle 1/10, 10KHZ, MAXimam 120mA
4. Operating Temperature From -25°C to 85°C



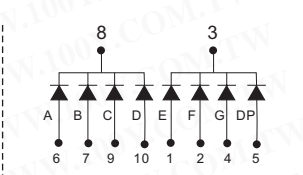
A A5618H/D/G/Y/RS/SF/3



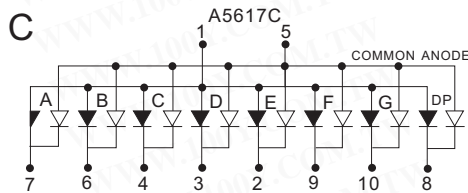
B C5619H/D/G/Y/RS/SF/3



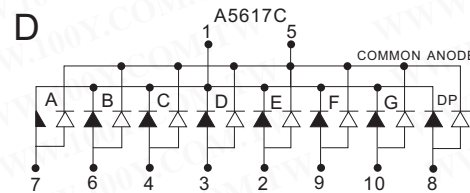
E A5617 SERIES



F A5617 SERIES



C



D



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA	Liminous @If=10mA	Device Size
39680	C5618RS	JOINSCAN	0.5" 7-Segment LED Display/Common Cathode	695	2.3	1000ucd	12.7W*19.05H*6.35D



FEATURES:

- Single 5VDC Operation.
- Self-mountable
- High input impedance >100M ohm
- 200m V and 2V full seale input sensitivity (A and B version)
- Pin to pin compatible with GM-235A/B
- 0.4 inch (10.16mm) digit height
- Single-ended or differential input format

APPLICATIONS

- Digital power supply
- Digital measuring equipment
- Digital strain garge instrument



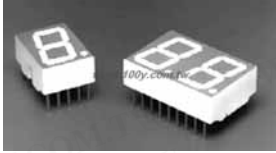
Part No.	Product No.	Description	Device Size
28221	GM-335B	GM-335Bdisplay	2.9W*2.0H*5.8D





# 7-Segment LED Display

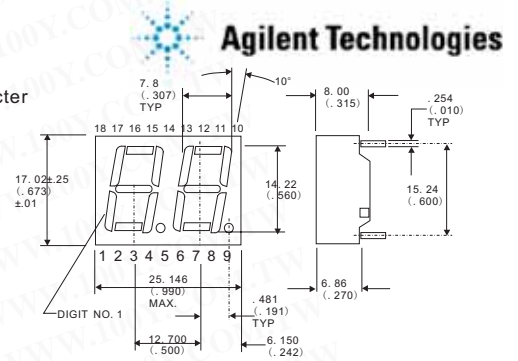
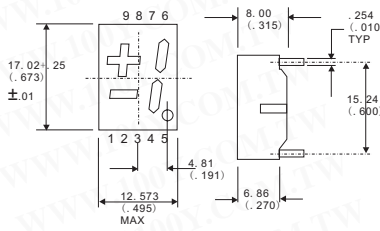
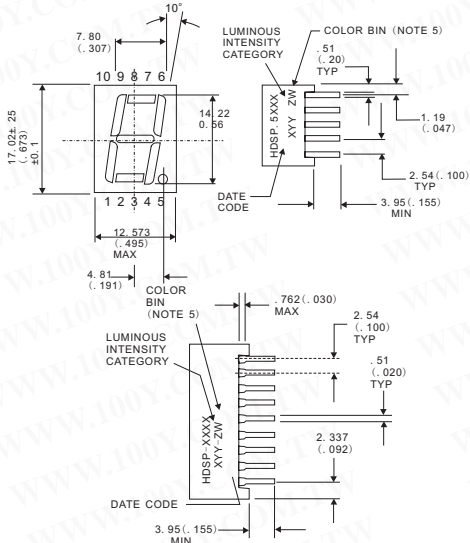
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



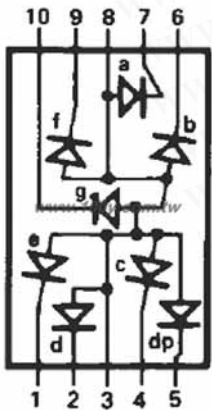
### FEATURES

- **Industry Standard Size**
- **Industry Standard Pinout**  
15.24 mm (0.6 in.) DIP Leads on 2.54 mm (0.1 in.) Centers
- **Choice of Colors**  
AlGaAs Red, High Efficiency Red, Yellow, Green, Orange
- **Excellent Appearance**  
Evenly Lighted segments  
Mitered Lighted Segments  
Gray Package Gives Optimum Contrast  
±50° Viewing Angle
- **Design Flexibility**  
Common anode or Common Cathode  
Single and dual digits  
Right hand decimal point ±1. Overflow character

- **Categorized for Luminous Intensity**  
Yellow and Green Categorized for color  
Use of like categories yields a uniform display
- **High light output**
- **High peak current**
- **Excellent for long digit string multiplexing**
- **Intensity and color selection option**  
see intensity and color selected displays data sheet
- **Sunlight viewable AlGaAs**

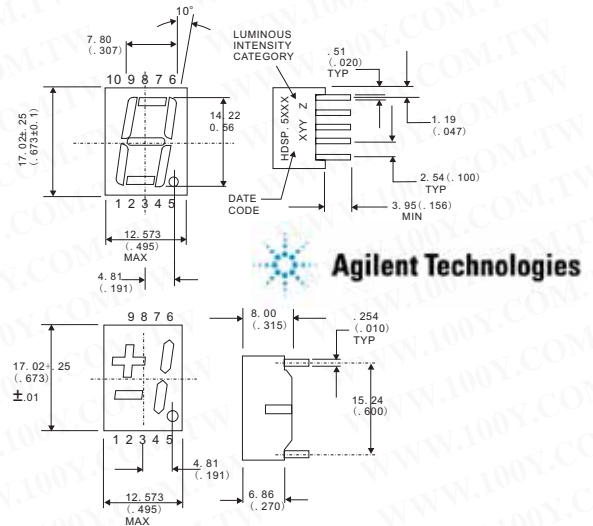


Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA	Liminous @If=10mA	Device Size
33361	HDSP-5501	Agilent	14.2 mm (0.56 inch) Seven Segment Displays	635 nm	2.1 V	2800 ucd	
33363	HDSP-5503	Agilent	14.2 mm (0.56 inch) Seven Segment Displays	635 nm	2.1 V	2800 ucd	
33340	HDSP-5521	Agilent	14.2 mm (0.56 inch) Seven Segment Displays	625nm	2.1V	2800ucd	17.0*25.1*8.0mm
33365	HDSP-5521-GH000	Agilent	14.2 mm (0.56 inch) Seven Segment Displays	625nm	2.1V	2800ucd	17.0*25.1*8.0mm
33366	HDSP-5523-GH000	Agilent	14.2 mm (0.56 inch) Seven Segment Displays	625nm	2.1V	2800ucd	17.0*25.1*8.0mm
33367	HDSP-5601-GH000	Agilent	14.2 mm (0.56 inch) Seven Segment Displays	566 nm		2500 ucd	
33368	HDSP-5603-GH000	Agilent	14.2 mm (0.56 inch) Seven Segment Displays	566 nm		2500 ucd	



### FEATURES

- **Low power consumption**
- **Industry standard size**
- **Industry standard pinout**
- **Choice of character size**  
7.6 mm (0.30 in.), 10mm (0.40 in.), 10.9 mm (0.43 in.), 14.2 mm (0.56 in.), 20mm (0.80 in)
- **Choice of colors**  
AlGaAs Red, High efficiency Red (HER), Yellow, Green
- **Excellent appearance**  
Evenly lighted segments ±50o Viewing angle
- **Design flexibility**  
Common anode or common cathode  
Single and dual digit  
Left and right hand decimal points  
±1. Overflow character
- **Categorized for luminous intensity**  
Yellow and green categorized for color  
Use of like categories yields a uniform display
- **Excellent for long digit string multiplexing**



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA
33369	HDSP-5551	Agilent	Low Current Seven Segment Displays	645nm	1.8V
33371	HDSP-5553	Agilent	Low Current Seven Segment Displays	645nm	1.8V
33374	HDSP-7511	Agilent	Low Current Seven Segment Displays	645nm	1.8V
33376	HDSP-7513	Agilent	Low Current Seven Segment Displays	645nm	1.8V

- We provide a wide range of products to development and maintenance engineers in all type of business
- If you cannot find the components you want on the catalogue, please call us.



Taiwan: 886-3-5753170

Shanghai: 021-54151736 Shenzhen: 0755-83298787

## Centenary Materials

Waiting for your phone call



T E L : Taiwan: 886-3-5753170  
F A X : Taiwan: 886-3-5729594  
E-mail : Taiwan: us\_sale@100y.com.tw

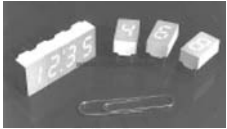
Shenzhen: 86-755-83298787  
Shenzhen: 86-755-83640655  
Shenzhen: 100y@163.com

Shanghai: 86-21-54151736  
Shanghai: 86-21-64605107  
Shanghai: 100y-1@163.com



# 7-Segment LED Display

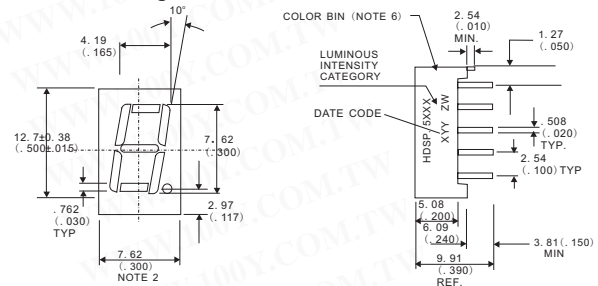
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



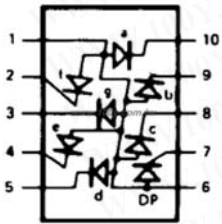
### FEATURES

- Available with color for Clock Display
- Compact Package  
0.300x 0.500 inches  
Leads on 2.54 mm (0.1 inch) Centers
- Choice of colors  
AlGaAs Red, High Efficiency Red, Yellow, Green, Orange
- Excellent Appearance  
Evenly lighted segments  
Mitered corners on segments  
Surface color gives optimum Contrast  
±50°C Viewing angle
- Design flexibility  
Common anode or common cathode  
Right Hand Decimal Point ±1. Overflow Character
- Categorized for luminous intensity  
Yellow and green categorized for color  
Use of like categories yields a uniform display

- High light output
- High peak current
- Excellent for long digit string multiplexing
- Intensity and color selection available  
See intensity and color selected displays data sheet
- Sunlight viewable AlGaAs



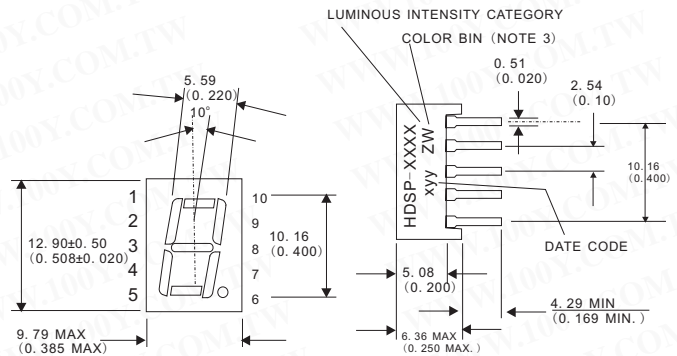
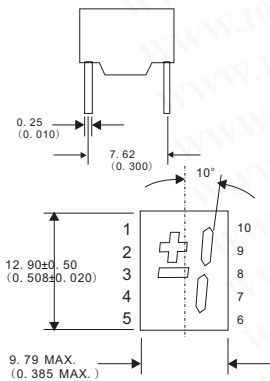
Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA	Liminous @If=10mA	Device Size
33342	HDSP-7501	Agilent	7.6 mm (0.3 inch) Micro Bright Seven Segment Displays	626nm	2.0V		6.1*5.08*2.54mm
33378	HDSP-7501-CD000	Agilent	7.6 mm (0.3 inch) Micro Bright Seven Segment Displays	626nm	2.0V		6.1*5.08*2.54mm
33343	HDSP-7503	Agilent	7.6 mm (0.3 inch) Micro Bright Seven Segment Displays	626nm	2.0V		6.1*5.08*2.54mm
33379	HDSP-7503-CD000	Agilent	7.6 mm (0.3 inch) Micro Bright Seven Segment Displays	626nm	2.0V		6.1*5.08*2.54mm
33380	HDSP-7801-JK000	Agilent	7.6 mm (0.3 inch) Micro Bright Seven Segment Displays	566 nm		3000 usd	7.62*12.7*5.08mm
33382	HDSP-7803-JK000	Agilent	7.6 mm (0.3 inch) Micro Bright Seven Segment Displays	566 nm		3000 usd	7.62*12.7*5.08mm
33383	HDSP-A151-NO000	Agilent	7.6 mm (0.3 inch) Micro Bright Seven Segment Displays	645 nm	1.8 V		7.62*12.7*5.08mm



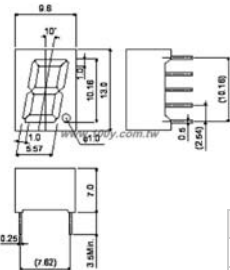
### FEATURES

- Industry Standard Size
- Industry Standard Pinout  
7.6 mm (0.3 in.) DIP Single  
15.24 mm (0.6 inch) DIP Dual  
Leads on 2.54 mm (0.1 inch) centers
- Choice of Colors  
AlGaAs Red, High Efficiency Red, Yellow, Green, Orange
- Excellent Appearance  
Evenly Lighted segments  
Mitered Lighted Segments  
Gray Package Gives Optimum Contrast  
Black surface and color tinted Epoxy (HDSP-F161 only)  
±50° Viewing Angle
- Design Flexibility  
Common anode or Common Cathode  
Single and dual digits  
Right hand decimal point ±1. Overflow character

- Categorized for Luminous Intensity  
Yellow and Green Categorized for color  
Use of like categories yields a uniform display
- High light output
- High peak current
- Excellent for long digit string multiplexing
- Intensity and color selection option
- Sunlight viewable AlGaAs



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA	Liminous @If=10mA
33347	HDSP-F151	Agilent	10 mm (0.40 inch) Seven Segment Displays	637 nm	1.8V	
33348	HDSP-F203	Agilent	10 mm (0.40 inch) Seven Segment Displays	626 nm	2.0V	
33351	HDSP-F501	Agilent	10 mm (0.40 inch) Seven Segment Displays	571nm		3500 ucd
33352	HDSP-F503	Agilent	10 mm (0.40 inch) Seven Segment Displays	571nm		3500 ucd
33345	HDSP-G501	Agilent	10 mm (0.40 inch) Seven Segment Displays	571nm		3500 ucd



LA-401D/N series is developed because of the demand for small single digit LED Numeric display. Materials of emission are GaAsP on Gap, AlGalnP GaP and GaN. This is the height of a letter 10.16mm. single digit LED Numeric display that is package by EPOXY resin.

### FEATURES

- The height of a letter is 10.16mm
- Dimension is 9.6x13.0x7.0mm
- The package of surface color is black. Color of segment is colored in emitting color. (Blue color is only milky white)
- Each color has anode common and cathode common respectively.

Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Device Size
34674	LA-401MD	ROHM	Single Digit LED Numeric Display	563nm	13*9.6*7mm
34676	LA-401MN	ROHM	Single Digit LED Numeric Display	563nm	13*9.6*7mm

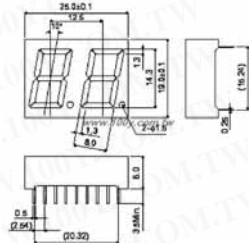




# 7-Segment LED Display

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Liminous @If=10mA	Device Size
34677	LA-401VD	ROHM	Single Digit LED Numeric Display	626nm		13*9.6*7mm
34678	LA-401VN	ROHM	Single Digit LED Numeric Display	626nm		13*9.6*7mm
34680	LA-601VB	ROHM	Single Digit LED Numeric Display	650nm	14mcd	
34681	LA-601VL	ROHM	Single Digit LED Numeric Display	650nm	14mcd	

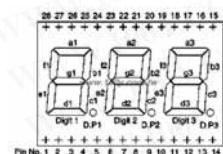


LB-602A/K2 series is desined to use of the light. Materials of emission are GaAsP on GaP, AlGaInP GaP and GaN. This is the height of a letter 14.3 mm, double digits LED Numeric display that is packed by epoxy resin.

### FEATURES

- The height of a letter is 14.3mm
- Dimension is 25.0x19.0x8.0mm
- The package of surface color is black. Color of segment is colored in emitting color. (Blue color is only milky white)
- Each color has anode common and cathode common respectively.

Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Liminous @If=10mA	Device Size
34683	LB-602VA2	ROHM	Double Digits LED Numeric Display	650nm	16mcd	25.0*19.0*8.0mm.
34685	LB-602VK2	ROHM	Double Digits LED Numeric Display	650nm	16mcd	25.0*19.0*8.0mm.

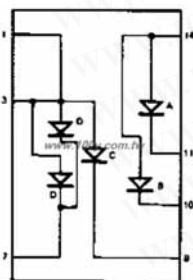


The LB-603FP series were designed to meet the need for multi-digit numeric displays. These LED numeric displays use GaAsP on GaP for the emitting material (with the exception of green) and are housed in an epoxy resin package. They are three-digit displays with a character height of 14.3 mm.

### FEATURES

- Height of character: 14.3mm.
- The package surface is painted black and the segments are colored the display color.
- High efficiency reflectors are used to achieve a bright, clear display.

Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Liminous @If=10mA	Device Size
34687	LB-603VF	ROHM	High efficiency, three-digit numeric displays	650nm	16mcd	37.5*18*8mm



### FEATURES

- Common anode or common cathode models
- Red, Yellow, Green and Orange
- Fast switching-excellent for multiplexing
- Low power consumption
- Bold solid segments that are highly legible
- Solid state reliability-long operation life
- Impact resistant plastic construction
- Directly compatible with integrated circuits
- High brightness with high contrast
- Categorized for Luminous intensity
- Standard 14 pin dual-in-line package configuration
- Wide angle viewing...150°

### DESCRIPTION

The MAN3400A, MAN3600A, MAN70A and MAN3800A series provides a choice of color of LED displays. Standard units are available in Red, Green, Orange and yellow. They can be mounted in arrays with 0.400-inch (10.16mm) center-to-center spacing. Yellow and high efficiency green displays are constructed with grey face and neutral segment color. Red display have black face and Red segment color. Others have face and segment color corresponding to the emitted light.

### APPLICATIONS

- Digital readout displays
- Instrument panels
- Point of sale equipment
- Calculators
- Digital clocks



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA	Liminous @If=10mA	Device Size
34885	MAN72A	Fairchild	0.300-INCH SEVEN SEGMENT DISPLAYS	660nm	2.0V	350ucd	18.75*9.8*5.08mm
34887	MAN74A	Fairchild	0.300-INCH SEVEN SEGMENT DISPLAYS	660nm	2.0V	350ucd	18.75*9.8*5.08mm



- Standard Input: RS-232, RS422, Rs-485, TTL, 20mA
- Transmission velocity: 300, 600, 1200, 2400, 4800, 9600 Choice
- Data format: 7data, 1stop, no parity, ASC II numeric data
- The format User could choice: STX/ETX or <CR> restrict bottom

Part No.	Product No.	Manufacturer	Description
14143	MDR-2081	NEWCAL	Serial Data Input



### DATA INPUT APPLICATION:

- Function/Style: RY-203
- Electric consume: MAX: 4W
- Digit Display: 3 digits
- Material of Display: 7 SEGMENT LCD
- Display Size: 0.5" (12.7mm)
- Display Range: 0~999
- Weight: 0.4kg

- Electric source Input: AC90~260V 50/60HZ Full Range Power Supply
- Signal Convection: RS-485
- Convection velocity: 9600 BPS
- Convection distance: 20~1200M
- Tempreture range: -10°C~+60°C
- Humidity range: 20~95%RH

Part No.	Product No.	Description
13446	ME1-1	Caller LED

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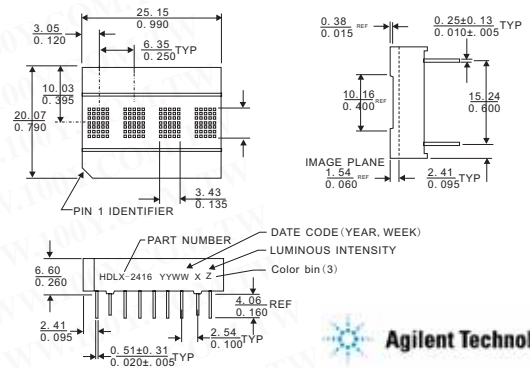
# Dot matrix LED Display

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



### FEATURES

- Enhanced drop-in replacement to HPDL-2416
- Smart Alphanumeric Display
- Built-in RAM, ASCDII Decoder, and LED Drive Circuitry
- CMOS IC for low power consumption
- Software controlled dimming levels and blank
- 128 ASCII Character set
- End-Stackable
- Categorized for luminous Intensity: yellow and green Ca-tergorized for color
- Low power and sunlight viewable AlGaAs Versions
- Wide Operating Temperature range: -40°C to +85°C
- Excellent ESD Protection
- Wide viewing angle (50° typ)



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Device Size
33338	HDLG-2416	Agilent	Four Character 5.0 mm (0.2 inch) Smart 5 x 7 Alphanumeric Displays	568nm	5.0 mm
33339	HDLO-2416	Agilent	Four Character 5.0 mm (0.2 inch) Smart 5 x 7 Alphanumeric Displays	635nm	5.0 mm

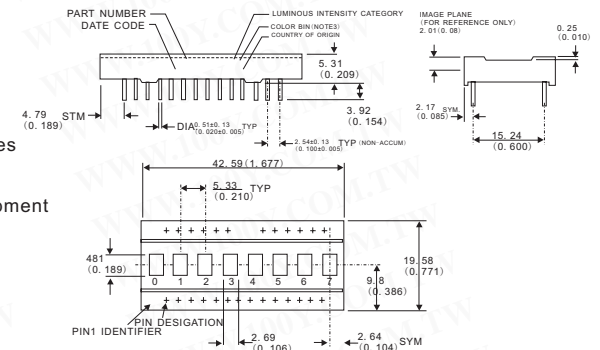


### FEATURES

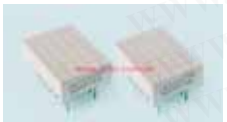
- X stackable (HDSP-21xx)
- XY stackable (HDSP-250x)
- 128 character ASCII decoder
- Programmable functions
- 16 user definable characters
- Multi-level dimming and blanking
- TTL compatible CMOS IC
- Wave solderable

### APPLICATIONS

- Computer peripherals
- Industrial instrumentation
- Medical equipment
- Portable data entry devices
- Cellular phones
- Telecommunications equipment
- Test equipment



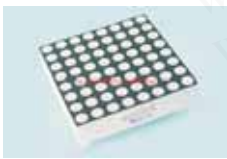
Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA	Liminous @If=10mA	Device Size
33354	HDSP-2112	Agilent	Agilent Eight Character 5 mm and 7 mm Smart Alphanumeric Displays	626 nm		2.5 mcd	
40473	HDSP-2502	Agilent	Eight Character 5 mm and 7 mm Smart Alphanumeric Displays	635nm	7.5mcd		



- 0.7" 5 x 7 LED Display
- Vf/@If=20mA: 2.2V
- Iv(ucd)@10mA: 5000ucd
- Device Size: 12.7W\*17.82H\*6.35D

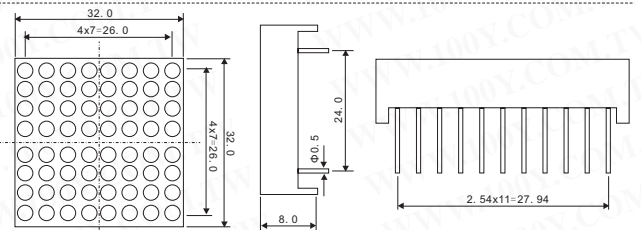


Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf/@If=20mA	Liminous @If=10mA	Device Size
10445	M0757RS-GW	JOINSCAN	0.7" 5*7 Dot Matrix LED Display/Common Anode	655	2.2V	5000ucd	12.7W*17.82H*6.35D



### REMARK:

- Typical forward current 10~20mA, MAXIMUM forward current 25mA
- Solder temperature 1.6mm below seating plane less 5 seconds at 250°C +5°C -30°C
- Peak forward current per dice, duty cycle 1/10, 10KHZ MAXIMUM 120mA
- Operating temperature from -25°C to 85°C
- Blue color, pure green color and white color chip are static sensitive devices



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf/@If=20mA	Liminous @If=10mA	Device Size
42507	M1386CS	JOINSCAN	8*8 Dot Matrix LED Display/Common Anode/Ultra-Bright Red	635	2.0	4000ucd	2.3" 60.2*60.2
6800	M1388-RSC	JOINSCAN	8*8 Dot Matrix LED Display/Common Anode/Ultra-Bright Red	695	2.2V	3000ucd	1.3" 32*32
7932	M1588RS	JOINSCAN	8*8 Dot Matrix LED Display/Common Anode/Ultra-Bright Red	695	2.2V	25000ucd	1.5" 38*38
7949	M2388C-BW	JOINSCAN	8*8 Dot Matrix LED Display/Common Anode/Orange, Green	635/565	2.0	4000ucd	2.3" 60.2*60.2
7947	M2388RS-BW	JOINSCAN	8*8 Dot Matrix LED Display/Common Anode/Ultra-Bright Red	635	2.0	25000ucd	2.3" 60.2*60.2



- Wave Length (nm): 695
- Vf/@If=20mA: 2.2V
- Liminous @If=10mA: 25000ucd
- Description: 5\*7 Red cathod
- Device size: 0.7" 12.7\*17.82



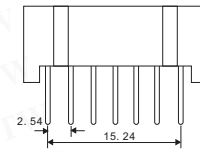
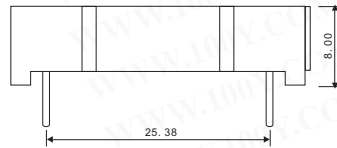
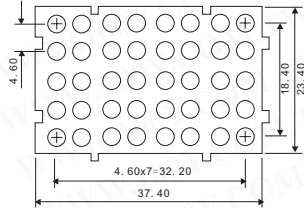
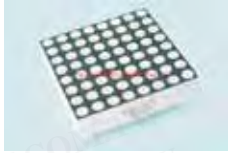
Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf/@If=20mA	Liminous @If=10mA	Device Size
7144	N0757RS-GW	JOINSCAN	5*7 Dot Matrix LED Display/Common Cathode	695	2.2V	25000ucd	0.7" 12.7*17.82





### Dot matrix LED Display

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA	Liminous @If=10mA	Device Size
7934	N1588RS	JOINSCAN	8*8 Dot Matrix LED Display/Common Cathode /RED	635	2.0V	3500ucd	1.5" 38*38
39134	N2386C-BW	JOINSCAN	8*8 Dot Matrix LED Display/Common Cathode/Orange,Green	570/628	2.0V	4000ucd	2.3" 60.2*60.2
7950	N2388C-BW	JOINSCAN	8*8 Dot Matrix LED Display/Common Cathode/Orange,Green	635/565	2.0	4000ucd	2.3" 60.2*60.2
7948	N2388O-BW	JOINSCAN	8*8 Dot Matrix LED Display/Common Cathode/Ultra-Bright Orange	635	2.0	4000ucd	2.3" 60.2*60.2

### Multiplexed

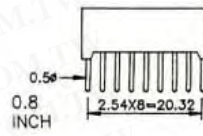
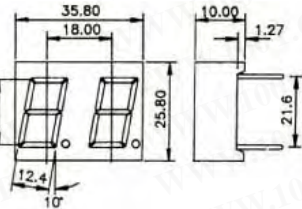
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



0.5" 7-Segment Multiplexed LED Display/Common Anode/Red



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA	Liminous @If=10mA	Device Size
15579	2A5028RS	JOINSCAN	0.5" 7-Segment Multiplexed LED Display/Common Anode/Red	655nm	1.8V	5000ucd	25L*19W*8D



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA	Liminous @If=10mA	Device Size
6377	A8028G-BW	JOINSCAN	0.8" 7-Segment Multiplexed Display/Common Anode/Green	565	2.2V	2000ucd	35.8H*25.8W*10D
11094	A8028RS-BW	JOINSCAN	0.8" 7-Segment Multiplexed LED Display/Common Anode/Red	655	1.8V	5000ucd	35.8H*25.8W*10D

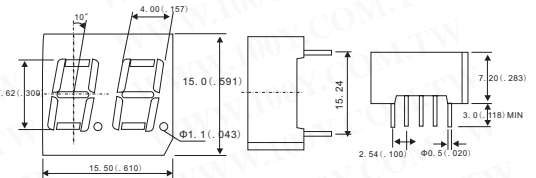


#### FEATURES

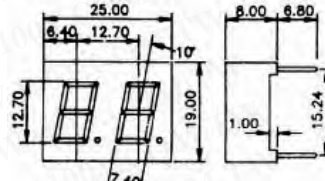
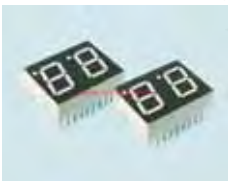
- 0.30 inch (7.62mm) Digit height
- Continuous uniform segments
- Low power requirement
- Excellent characters appearance
- Solid state reliability
- Categorized for luminous intensity
- Duplex drive common anode

#### DESCRIPTION

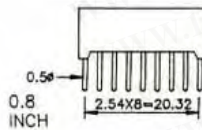
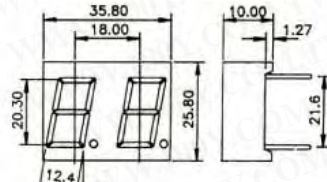
- The BD-E306RD is a 7.62mm (0.3") high dual digit seven segments display
- This product use super red chips, which are made from AlGaAs on GaAs substrate
- This product have a black face and white segment



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA	Liminous @If=10mA	Device Size
39029	BD-E306RD	BRT	7-Segment Multiplexed LED Display/Common Anode/Red	660	1.7V/10mA	643	15.5*15*10.2



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA	Liminous @If=10mA	Device Size
6065	C5028R-BW	JOINSCAN	7-Segment Multiplexed LED Display/Common Cathode/Red	655	1.7V	570ucd	0.5" 25.00*19.00



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA	Liminous @If=10mA	Device Size
12618	C8028RS-BW	JOINSCAN	0.8" 7-Segment Multiplexed LED Display/Common Cathode/Red	655	1.8V	5000ucd	35.8H*25.8W*10D

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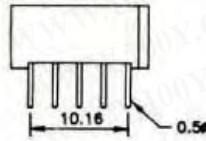
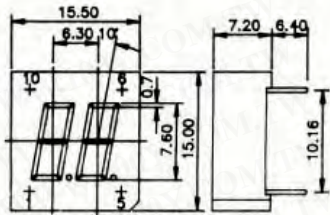
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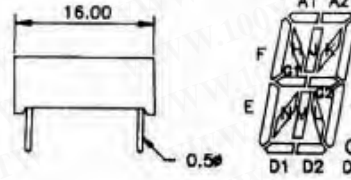
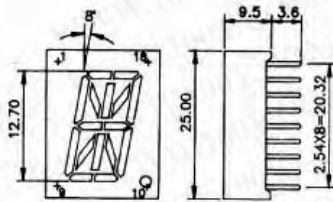


# Multiplexed

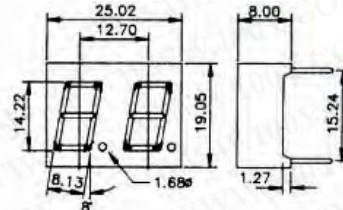
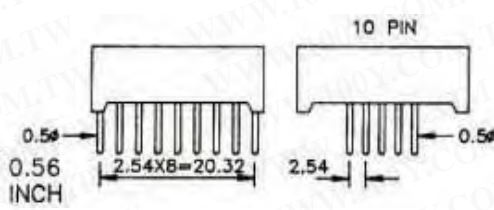
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



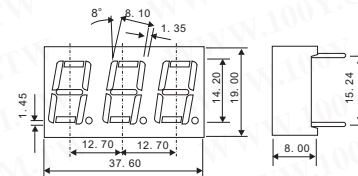
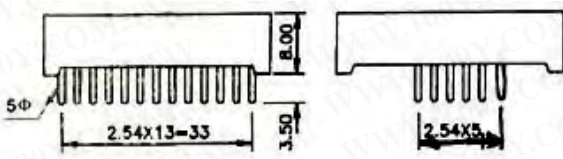
Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA	Liminous @If=10mA	Device Size
6066	E3026RS	JOINSCAN	7-Segment Multiplexed LED Display/Common Anode/Red	655	1.8V	570	0.3" 15.5*15.00



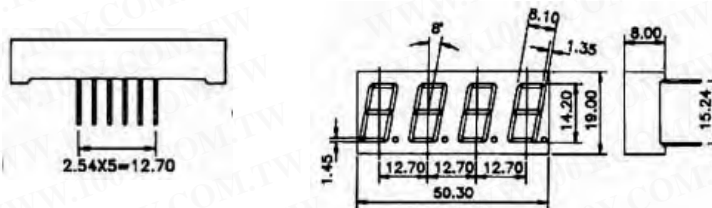
Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA	Liminous @If=10mA	Device Size
7409	E542KO-BW	JOINSCAN	7-Segment Multiplexed LED Display/Common Anode/Orange	635	2V	2000ucd	25.4W*21.33H*8D



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA	Liminous @If=10mA	Device Size
6375	E5628G-GW	JOINSCAN	7-Segment Multiplexed LED Display/Common Anode/Green	565	2.2V	2000ucd	0.56" 25.02*19.05



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA	Liminous @If=10mA	Device Size
7414	E5638RS	JOINSCAN	7-Segment Multiplexed LED Display/Common Anode/Orange	635	2.0V	2.0V	37.6*19.00

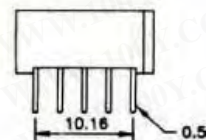
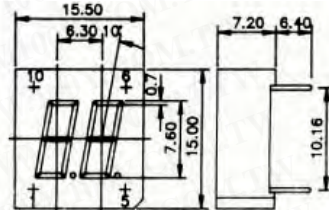


Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA	Liminous @If=10mA	Device Size
7975	E5648G-BW	JOINSCAN	7-Segment Multiplexed LED Display/Common Anode/Green	565	2.2V	2000ucd	50.3W*19H*8D
7974	E5648RS-BW	JOINSCAN	7-Segment Multiplexed LED Display/Common Anode/Ultra-Bright Red	655	1.8V	5000ucd	50.3W*19H*8D



F3026O-BW

F3026RS-BR

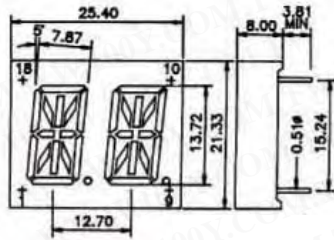


Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf@If=20mA	Liminous @If=10mA	Device Size
6067	F3026O-BW	JOINSCAN	7-Segment Multiplexed LED Display/Active High/Red7-Segment Multiplexed LED Display/Common Cathode/Orange	635	2.0V	2000ucd	0.3" 15.5*15.00
29189	F3026RS-BR	JOINSCAN	7-Segment Multiplexed LED Display/Active High/Red7-Segment Multiplexed LED Display/Common Cathode/Red	635	2.0V	2000ucd	0.3" 15.5*15.00

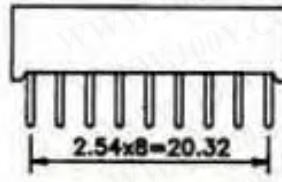




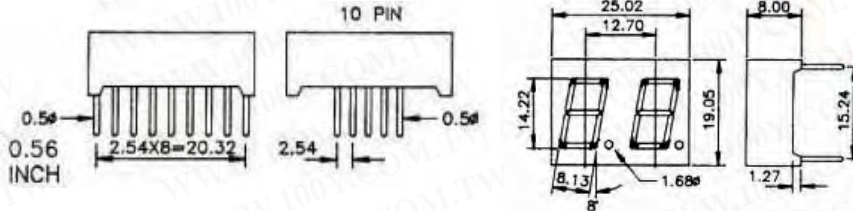
### Multiplexed



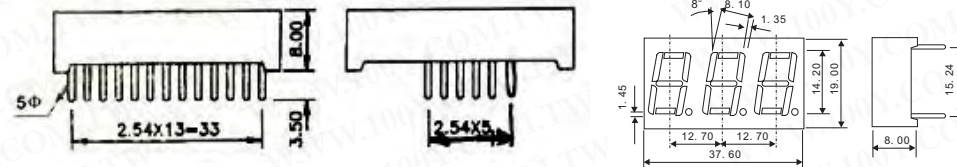
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf/@If=20mA	Liminous @If=10mA	Device Size
7405	F542KO	JOINSCAN	7-Segment Multiplexed LED Display/Common Cathode/Orange	635	2V	2000ucd	25.4W*21.33H*8D



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf/@If=20mA	Liminous @If=10mA	Device Size
6376	F5628G-GW	JOINSCAN	7-Segment Multiplexed LED Display/Common Cathode/Green	565	2.2V	2000ucd	0.56* 25.02*19.05



Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf/@If=20mA	Liminous @If=10mA	Device Size
6378	F5638RS-BW	JOINSCAN	3 Multiplexed LED Display/Common Cathode/Orange	635	2.0V	2000ucd	37.6*19.00



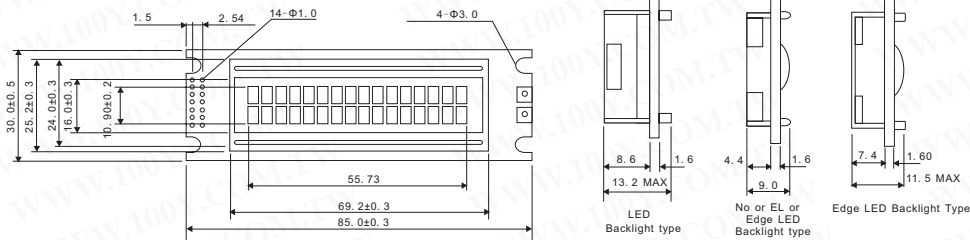
- Wave Length (nm) : 565
- Vf/@If=20mA : 2.2V
- Liminous @If=10mA : 2000ucd
- Device Size : 50.3W\*19H\*8D



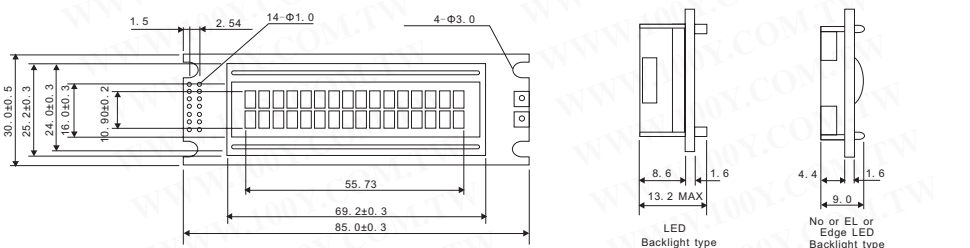
Part No.	Product No.	Manufacturer	Description	Wave Length (nm)	Vf/@If=20mA	Liminous @If=10mA	Device Size
7973	F5648G-BW	JOINSCAN	7-Segment Multiplexed LED Display/Common Cathode/Green	565	2.2V	2000ucd	50.3W*19H*8D
6799	F5648RS-BW	JOINSCAN	0.56"7-Segment Multiplexed LED Display/Common Cathode/Ultra-Bright Red	655	1.8V	5000ucd	50.3W*19H*8D

### Liquid Crystal Displays (LCD) Aphanumeric LCD Module

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Part No.	Product No.	Manufacturer	Description	size	Screen size	Word size
41407	LMC-SSC2A16DLGY	SDEC	LCD	9.27*5.02	55.73*10.98	2.78*4.89



Part No.	Product No.	Manufacturer	Description	Screen size	Word size
42793	LMC-SSC2A20DLYY	SDEC	Word type LCD	83.0 (W) X 18.6 (H)	3.20 (W) X 5.55 (H)

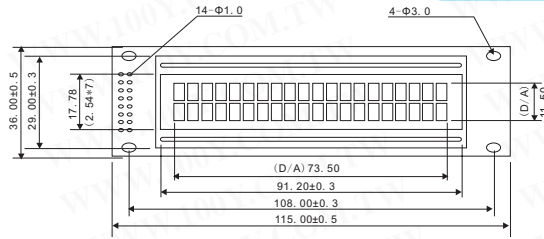




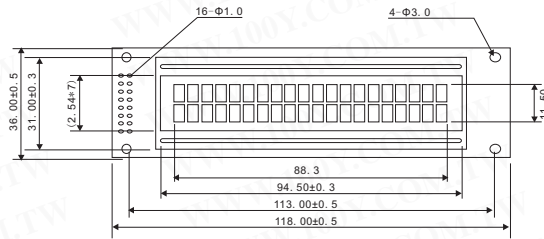
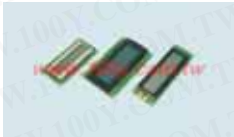


# Aphanumeric LCD Module

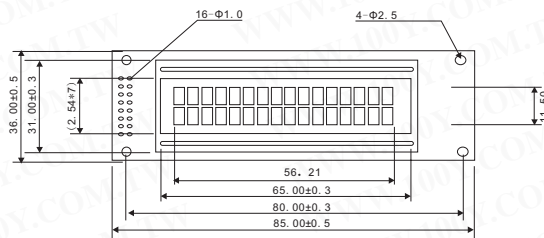
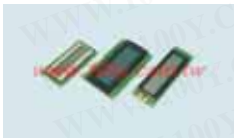
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



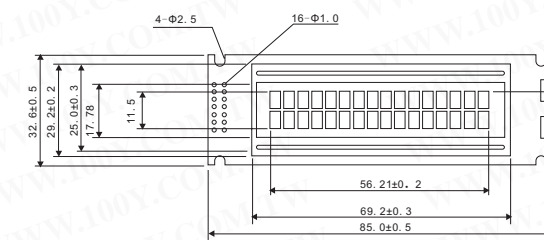
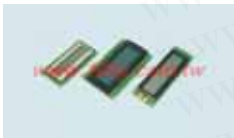
Part No.	Product No.	Manufacturer	Description	Size	Screen size	Word size
25981	LMC-SSC2A24DLGY	SDEC	24*2 Aphanumeric LCD Module	115*36*10.5	83*18.6	3.2*5.55



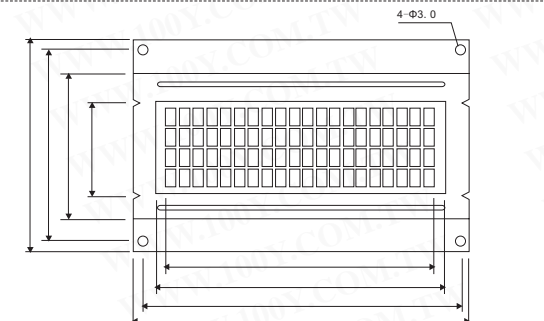
Part No.	Product No.	Manufacturer	Description	Size	Screen size	Word size
10312	LMC-SSC2A24DRG	SDEC	24*2 Aphanumeric LCD Module	115*36*10.5	83*18.6	3.2*5.55



Part No.	Product No.	Manufacturer	Description	Size	Screen size	Word size
17467	LMC-SSC2D16DLYY	SDEC	16*2 Aphanumeric LCD Module	85*36*9	65*18	2.96*5.56
41195	LMC-SSC2D16DRY	SDEC				



Part No.	Product No.	Manufacturer	Description	Size	Screen size	Word size
24012	LMC-SSC2F16DRG	SDEC	16*2 Aphanumeric LCD Module	85W*32.60H*13.2D	65W*16H	0.59W*0.7H



Part No.	Product No.	Manufacturer	Description	Size	Screen size	Word size
6406	LMC-SSC4A20DRG	SDEC	Aphanumeric LCD Module	98.0*60.0*10.0	76.0*25.0	2.95*4.75

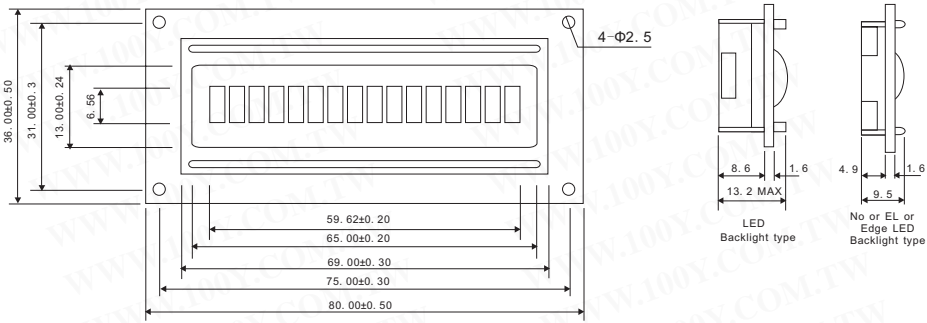
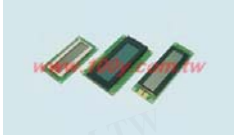
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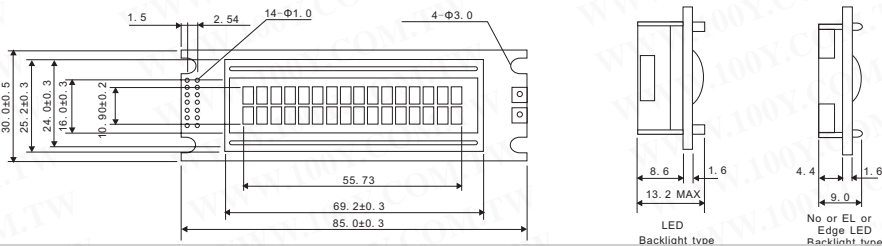


# Aphanumeric LCD Module

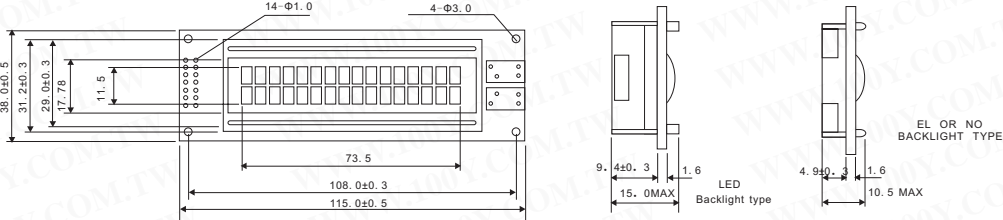
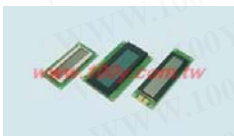
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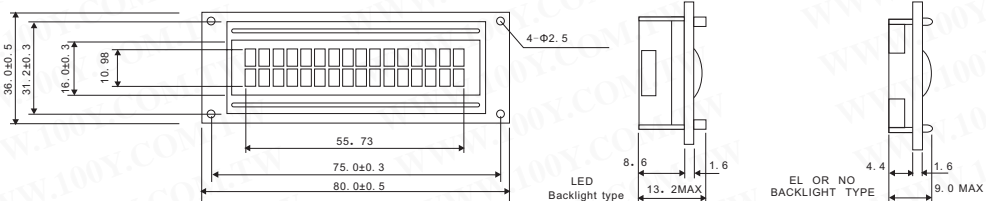
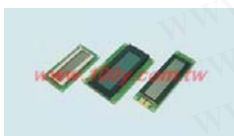
Part No.	Product No.	Manufacturer	Description
7770	LMC-STC1C16DRG	SDEC	Aphanumeric LCD Module



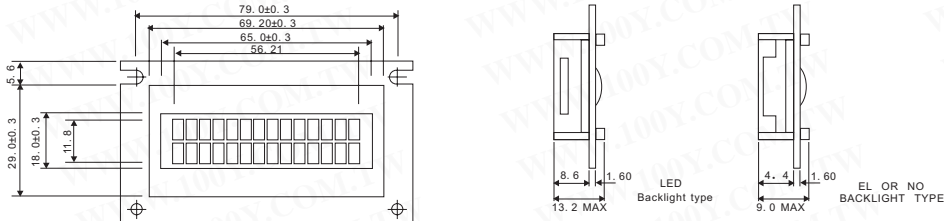
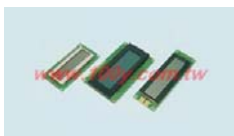
Part No.	Product No.	Manufacturer	Description	Size	Screen size	Word size
13463	LMC-STC2A16DRG	SDEC	16*2 Aphanumeric LCD Module	85W*30H*9D	65W*16H	0.75W*0.62H



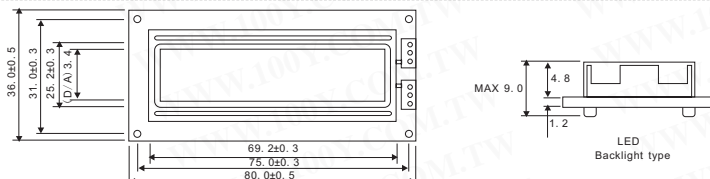
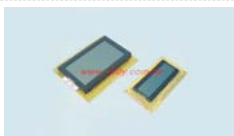
Part No.	Product No.	Manufacturer	Description	Size	Screen size	Word size
1870	LMC-STC2A20DRG	SDEC	20*2 Line Aphanumeric LCD Module	115*36*10.5	83*18.6	3.20*5.55



Part No.	Product No.	Manufacturer	Description	Size	Screen size	Word size
21421	LMC-STC2B16DRG	SDEC	Aphanumeric LCD Module	80*36*13.2	65*25	2.78*4.89



Part No.	Product No.	Manufacturer	Description	Size	Screen size	Word size
1902	LMC-STC2E16DRG	SDEC	Aphanumeric LCD Module	84*44*9	65*18	2.96*5.56



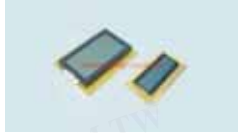
Part No.	Product No.	Manufacturer	Description	Size	Screen size	Word size
40499	LMG-SSC14A32DLYY-E	SDEC	9*2 Aphanumeric LCD Module	80*36*9	69.2*25.2	1.56*1.56





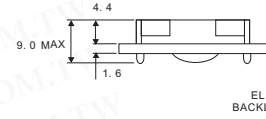
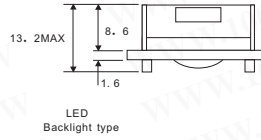
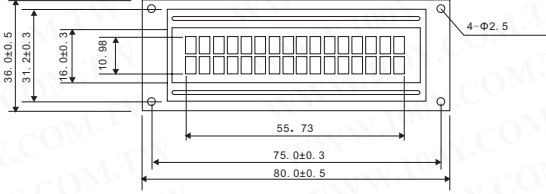
# Graphic Module LCD

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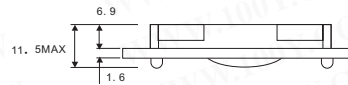
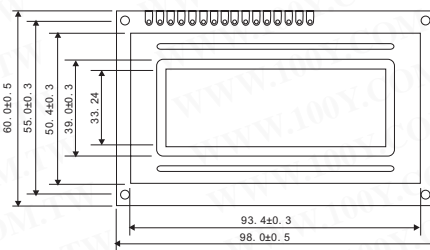
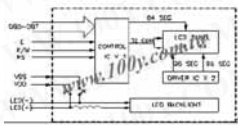


### FEATURES

LCD MODE	TN/STN
CHARACTER FONTS:	5X8 DOTS (WITH CURSOR)
CONTROLLER:	Nt3881 OR EQUIVALENT
POWER SUPPLY FOR LCM:	DC+5V
LED BACKLIGHT INPUT:	DC+5V
EL BACKLIGHT INPUT:	AC90~100V (400~700Hz)
EL INVERTER:	SDEC-1001A (1001B)



Part No.	Product No.	Manufacturer	Description	Size	Screen size	Word size
39494	LMC-SSC2B16DLYY	SDEC	Graphic LCD 122*32 Dots	84*44*13.5	60*18.0	0.4*0.45

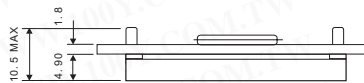
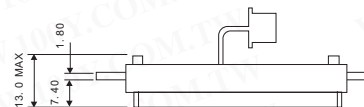
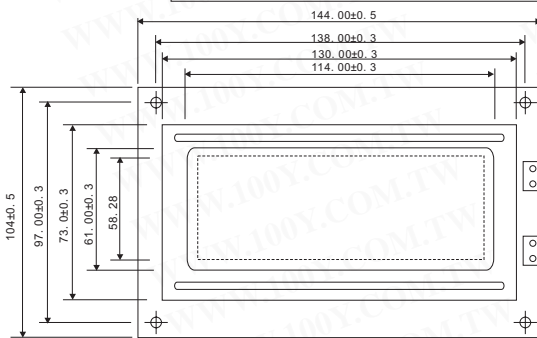


LCD Mode	TN/STN
Backlight type	Led Backlight
Character Fonts	8 Characters x 4Line
Power supply for LCM	DC+5V
Led Backlight input	DC+5V

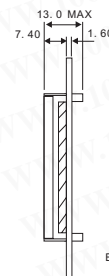
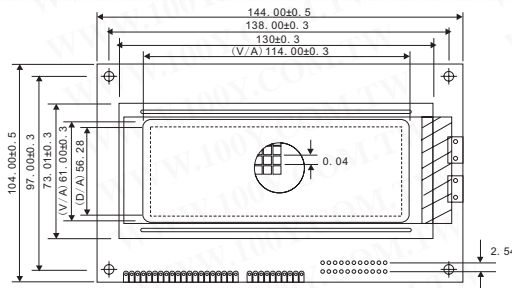
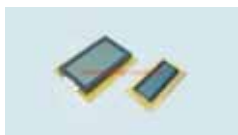
Part No.	Product No.	Manufacturer	Description	Size	Screen size	Word size
40720	LMG-SS12K64DLYY	SDEC	Led Backlight	98*60mm	CV/272*CV/A339	CD/A266.32*CD/A133.64



LCD TYPE	STN/FSTN
LCM BACKLIGHT TYPE	EL /FL/LED BACKLIGHT
LCM CONTROLLER IC	BUILT IN Lc7981 OR EQUIVALENT
POWER SUPPLY FOR LCM	DC+5.0V
LED BACKLIGHT INPUT	DC+0.5V
EL BACKLIGHT INPUT	AC 90~100V (400~700HZ)
EL INVERTER	SDEC-1003A
FL BACKLIGHT INPUT	AC 1KV (30KHZ)
FL INVERTER	SDEC-FL001 (5A)



Part No.	Product No.	Manufacturer	Description	Size	Screen size	Word size
1855	LMG-SS24B12DLYY	SDEC	240*128 Dots Graphic Module LCD	144*104*10.5	114*61	0.40*0.40



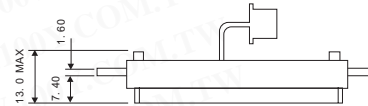
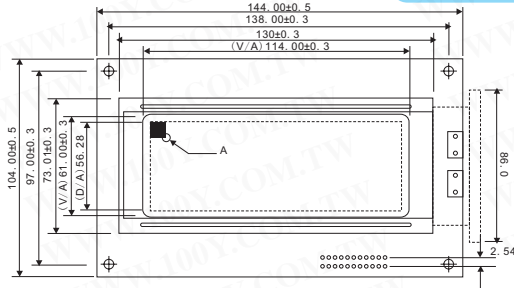
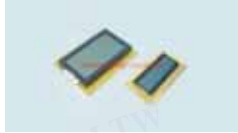
Part No.	Product No.	Manufacturer	Description	Size	Screen size	Word size
42913	LMG-SS24D12DLNW-E	SDEC	DOT MATRIX LIQUID CRYSTAL DISPLAY	144.0W × 104.0H × 13.0D mm	114.0W × 61.0H mm	0.40W × 0.40H mm



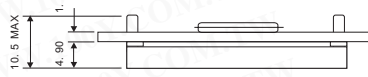


# Graphic Module LCD

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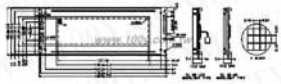
FL OR LED BACKLIGHT TYPE



EL OR NO BACKLIGHT TYPE



Part No.	Product No.	Manufacturer	Description	Size	Screen size	Word size
34752	LMG-SS24E12DFNW	SDEC	Graphic Module LCD	15.0W*104.0H*12.5Dmm	114.0W*61.0H mm	240*128DOTS
23222	LMG-SS24E12DLNW-H	SDEC	Graphic Module LCD	15.0W*104.0H*12.5Dmm	114.0W*61.0H mm	240*128DOTS

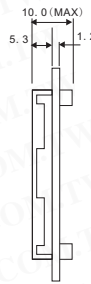
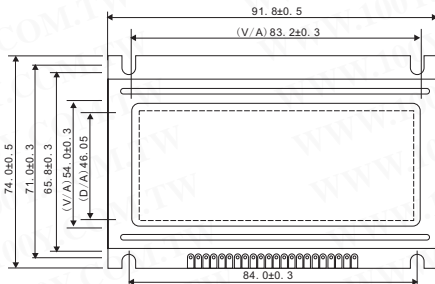


### FEATURES

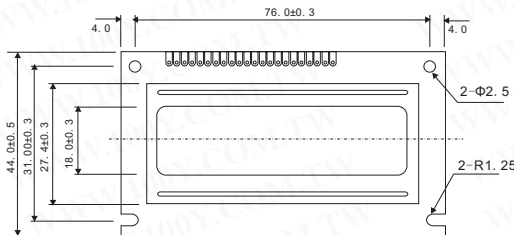
LCD TYPE	STN/ FSTN
LCM BACKLIGHT TYPE	EL/ FL/ LED BACKLIGHT
LCM CONTROLLER IC	BUILT IN LC7981 OR EQUIVALENT
POWER SUPPLY FOR LCM	DC+5.0V
LED BACKLIGHT INPUT	DC+5.0V
EL BACKLIGHT INPUT	AC 90~100V (400~700HZ)
EL INVERTER	1002A
FL BACKLIGHT INPUT	AC 1KV (30KHZ)
FL INVERTER	FL001 (5A)
LCM DIMENSION	180.0x65.0x11.0 (13.0) mm
LCM VIEWING AREA	132.0x39.0mm
LCD DOT SIZE	0.49x0.49mm
LCD DOT PITCH	0.53x0.53mm



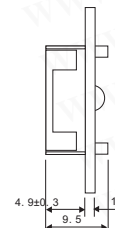
Part No.	Product No.	Manufacturer	Description	Size	Screen size	Word size
27951	LMG-SS24G64DRY	SDEC	240*64 Dots Graphic Module LCD	180*65*11	132*39	0.49*0.49



Part No.	Product No.	Manufacturer	Description	Size	Screen size	Word size
41017	LMG-SS24I12DLGW-E		Graphic Module LCD	91.0W × 74.0H × 10.0D mm	240 × 128 dots	83.2W × 54.0H mm
39422	LMG-SS24I12DLNW-E	SDEC	Graphic Module LCD	91.8W × 74.0H × 10.0D mm	240 × 128 dots	83.2W × 54.0H mm



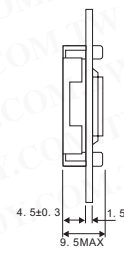
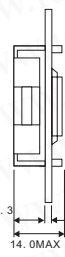
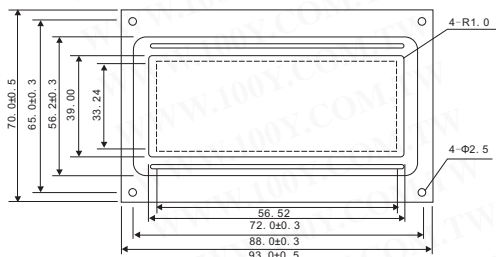
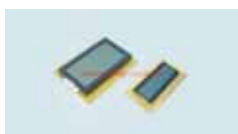
LED BACKLIGHT TYPE



EL OR NO BACKLIGHT TYPE



Part No.	Product No.	Manufacturer	Description	Size	Screen size	Word size
9656	LMG-SSC12A32DRG	SDEC	122*32 Dots Graphic Module LCD	84*44*13.5	60*18.0	0.4*0.45



Part No.	Product No.	Manufacturer	Description
9654	LMG-SSC12A64DLGY	SDEC	128*64 Dots Graphic Module LCD





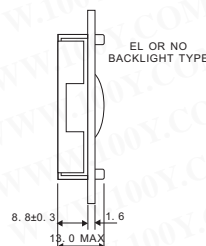
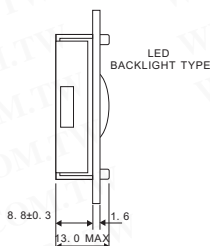
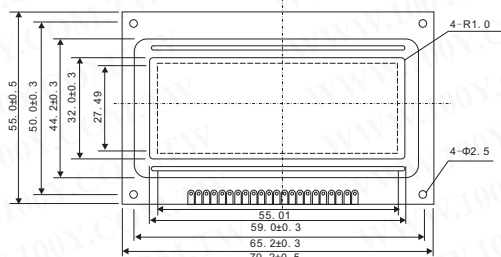
# Graphic Module LCD

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### FEATURES

LCD TYPE	STN/FSTN
LCM BACKLIGHT TYPE	LED/EL BACKLIGHT
LCM CONTROLLER IC	BUILT IN Ks0108 OR EQUIVALENT
POWER SUPPLY FOR LCM	DC+5.0V
LED BACKLIGHT INPUT	DC+5.0V
EL BACKLIGHT INPUT	AC 90~100V (400~700HZ)
EL INVERTER	SDEC-1002A
FL BACKLIGHT INPUT	SDEC-1002A

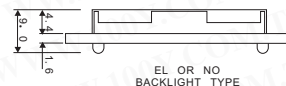
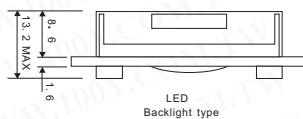
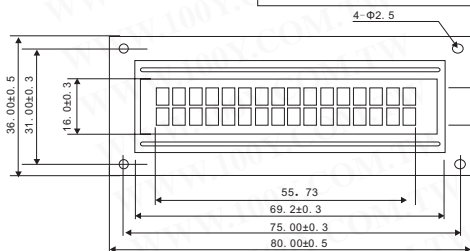


Part No.	Product No.	Manufacturer	Description	Size	Screen size	Word size
1868	LMG-SSC12E64DRG	SDEC	128*64 Dots Graphic Module LCD	70.2*55*10	59*32	0.40*0.40



### FEATURES

LCD MODE	TN/STN
BACKLIGHT TYPE	LED/EL BACKLIGHT
CHARACTER FONTS	5x8 DOTS (WITH CURSOR)
CONTROLLER	NT3881 OR EQUIVALENT
POWER SUPPLY FOR LCM	DC+5V
LED BACKLIGHT INPUT	DC+5V
EL BACKLIGHT INPUT	AC90~100V (400~700Hz)
EL INVERTER	SDEC-1001A (1001B)



Part No.	Product No.	Manufacturer	Description	Size	Screen size	Word size
16723	LMG-SSC2B16DLGY	SDEC	5*8 Dots Graphic Module LCD	80*36*13.2(T)	65.0*16.0	0.5*0.55

# Display Backlight Panels

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



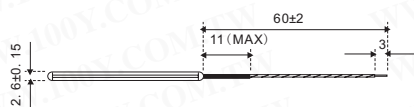
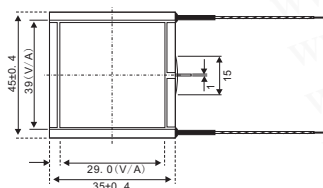
- Voltage: 4.2V
- Current: 450mA
- Wave length: 570λp (nm)

Part No.	Product No.	Description	Overall A*B(mm)	Input Volt.
17652	11037	LED Backlight Chips-on-Board	110*37	4.2V



### Display Backlight Panels

Part No.	Product No.	Description	Overall A*B(mm)
14711	95*27mm	Display Backlight Panels	95*27



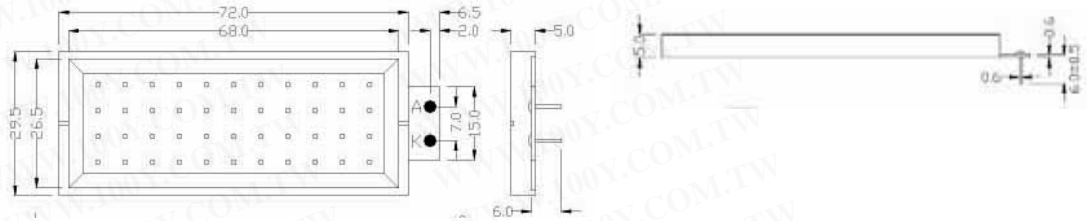
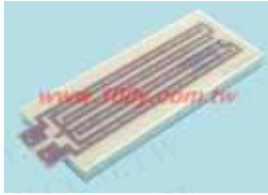
Part No.	Product No.	Manufacturer	Description	Overall A*B(mm)	Input Volt.	Brightness(cd/m2)	Color
29219	CL180610U01	DELTA OPTO	Cold Cathode Flat Fluorescent Lamps	42(L)*43(W)*21.5(H)	5VDC	2500	White



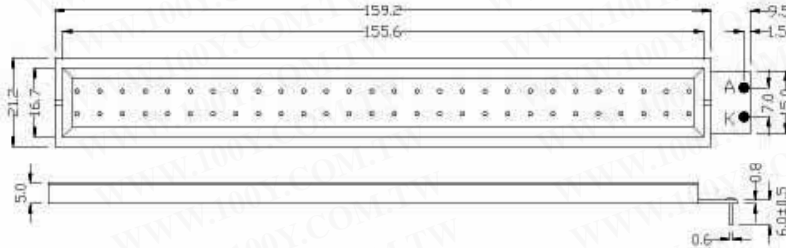


# Display Backlight Panels

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Part No.	Product No.	Manufacturer	Description	Overall A*B(mm)	Input Volt.	Pad (pitch)	Total (thickness)	Chips	Brightness(cd/m2)	Color
18753	SY-BLA6001YG	SHIAN YIH	LED Backlight Chips-on-Board	72.0*29.5	8V	7.0	5.0	4*11	100 to 300	YELLOW/GREEN



Part No.	Product No.	Manufacturer	Description	Overall A*B(mm)	Input Volt.	Pad (pitch)	Total (thickness)	Chips	Brightness(cd/m2)	Color
18754	SY-BLA6003YG	SHIAN YIH	LED Backlight Chips-on-Board	159.2*21.2	8Vr	7	5.0	2*28	100 to 300	YELLOW/GREEN

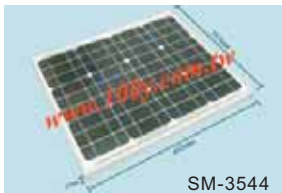
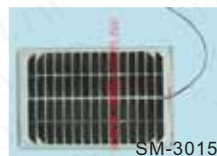
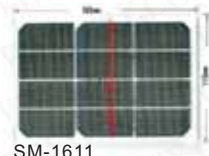
# Solar Panels

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Type Model	Width	Length	thickness	Vop, V	Iop, mA
SC 12439	124.50	39.30	2.00	15.00	12.00
SC 14600	145.70	32.50	2.00	9.60	13.00
SC 5030	50.00	29.00	2.00	1.80	26.00
SC 5848	57.80	48.20	2.00	8.00	8.00
SC 7035	70.20	35.00	2.00	4.00	18.00
SC 9728	96.80	28.00	2.00	6.00	15.00

Part No.	Product No.	Description	Vop / Iop	Size
11485	SC-12439	Solar Panels	15V 12mA	124.5*39.3*2mm
10464	SC-14633	Solar Panels	9.6Vop/13mA Iop	145.7*32.5*2mm
6425	SC-5030	Solar Panels	1.8V/26mA	50*29*2mm
6426	SC-5848	Solar Panels	8V/8mA	57.8*48.2*2mm
11483	SC-7035	Solar Panels	4V 18mA	70.2*35*2mm
11484	SC-9728	Solar Panels	6V 15mA	96.8*28*2mm



Type Model	Width	Length	Thickness	Vop, V	Iop, mA
SC 1212	110.00	115.00	3.60	0.50	3200.00
SC 1611	118.00	176.00	8.00	3.00	800.00
SC 3015	118.00	176.00	8.00	14.50	120.00
SC 3544	365.00	450.00	35.00	14.50	1000.00
SC 5055	60.00	65.00	5.20	2.50	150.00
SC 5120	30.00	60.00	5.20	0.50	280.00

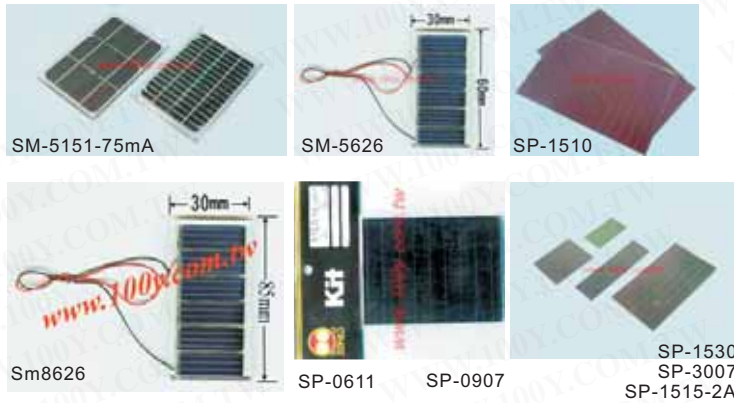
Part No.	Product No.	Description	Vop / Iop	Size
14287	SM-1212	Solar Panels	0.5V 3.2A	110*115*3.6mm
13576	SM-1611	Solar Panels	3V 800mA	118*176*8mm
16920	SM-3015	Solar Panels	14.5V/120mA	304.8*152.4*2.35mm
40409	SM-3544	Solar Panels	14.5V/1.1A	442*353*35mm
19752	SM-5055	Solar Panels	2.5V 150mA	60*65*5.2mm
14060	SM-5120	Solar Panels	0.5V/280mA	30*60*5.2mm





## Solar Panels

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

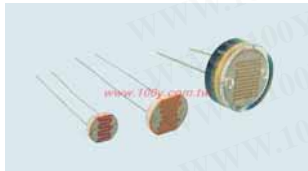


Type Model	Width	Length	Thickness	Vop, V	Iop, mA
SC 5151	60.00	65.00	5.20	4.00	75.00
SC 5626	30.00	57.00	5.20	3.00	60.00
SC 8626	29.00	84.00	5.20	3.00	95.00
SP 0611					
SC 60110Z	110.00	60.00	2.35	2.50	88.00
SP 0907					
SC 9070Z	89.70	69.70	2.35	4.00	50.00
SP 1510					
SC 14595Z	145.00	95.00	2.00	7.50	60.00
SP 1515					
SC 152152	152.40	152.40	2.35	7.50	120.00
SP 1530	152.40	290.00	2.35	7.50	200.00
SP 3007					
SC 29574Z	295.00	74.00	2.35	14.50	55.00

Part No.	Product No.	Description	Vop / Iop	Size
13728	SM-5151-75mA	Solar Panels	4V/75mA	60*65*5.2mm
14572	SM-5626	Solar Panels	3V 60mA	30*57*5.2mm
37490	SM8626	Solar Panels	3V 75mA	30*85mm
8456	SP-0611	Solar Panels	2.5V/108mA	110*60*2.35mm
8453	SP-0907	Solar Panels	4V/50mA	89.7*69.7*2.35mm
23933	SP-1510	Solar Panels	7.5V/60mA	146*95*2mm
10477	SP-1515-2A	Solar Panels	7.5V/130mA	152.4*152.4*2.35mm
6414	SP-1530	Solar Panels	7.5V/200mA	152.4*290*2.35mm
10459	SP-3007	Solar Panels	14.5V/60mA	295*74*2.35mm

## Light Dependent Resistor CDS Photocell

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



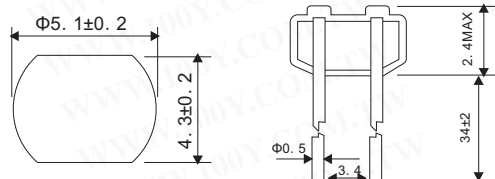
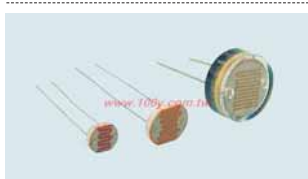
### Application

- Camera automation photometry
- Indoor sunlight control
- Industrial control
- Optical control lamp
- I. C (Optical control music I. C)
- Photoelectric control
- Annunciator
- Optical control switch
- Electronic toy
- Electronic proverbial vltion

### Features

- Coated with epoxy
- Good reliability
- Small volume
- High sensitivity
- Quick response
- Good spectrum characteristic

Part No.	Product No.	Description	Size	Dark resistance(MΩ)	Light resistance(10Lux)kΩ	Vmax(Vdc)	Spectrum peak value (nm)
20223	MT12516	Cds Photocell	Φ12	1MΩ	5~10KΩ	250	560
20225	MT12517	Cds Photocell	Φ12	2MΩ	10~20KΩ	250	560
20226	MT12528	Cds Photocell	Φ12	3MΩ	20~30KΩ	250	560
20229	MT12537	Cds Photocell	Φ12	5MΩ	30~50KΩ	250	560
20230	MT20516	Cds Photocell	Φ20	1MΩ	5~10KΩ	500	560
20231	MT20517	Cds Photocell	Φ20	2MΩ	10~20KΩ	500	560
20232	MT20537	Cds Photocell	Φ20	5MΩ	30~50KΩ	500	560
23271	MT4516	Cds Photocell	Φ4	0.6M ohm	5~10KΩ	150V	540nm
15195	MT5517	Cds Photocell	Φ5	1MΩ	10~20KΩ	150	540
3875	MT5528	Cds Photocell	Φ5	2MΩ	20~30KΩ	150	540
3876	MT5537	Cds Photocell	Φ5	3MΩ	30~50KΩ	150	540
15196	MT5539	Cds Photocell	Φ5	5MΩ	50~100KΩ	150	540
15197	MT5549	Cds Photocell	Φ5	10MΩ	100~200KΩ	150	540
20221	MT7517	Cds Photocell	Φ7	1MΩ	10~20KΩ	150	540
3874	MT7537	Cds Photocell	Φ7	4MΩ	30~50KΩ	150	560



### Features

- Epoxy Encapsulated
- Reliable Performance
- Quick Response
- Good Characteristic of Spectrum

### Applications

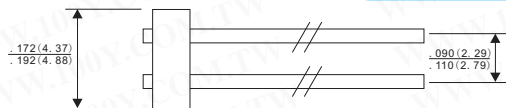
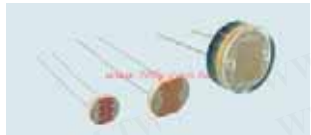
- Auto Flash for Camera
- Industrial Control
- Photoelectric Control
- Photoswitch
- Electronic Toys

Part No.	Product No.	Description	Size	Dark resistance(MΩ)	Light resistance(10Lux)kΩ	Vmax(Vdc)	Spectrum peak value (nm)
32918	PGM5526	Cds Photocell	Φ5.1	5MΩ	8~20KΩ	150	540





### CDS Photocell

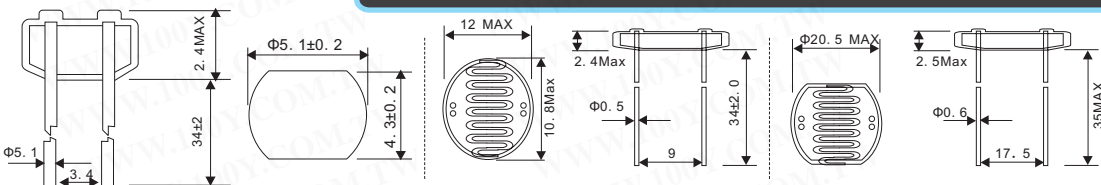


Plastic coated to protect active surface

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

Part No.	Product No.	Description	Dark resistance(MΩ)	Light resistance(10Lux)kΩ	Vmax(Vdc)
33133	VT935G-A	PHOTOCONDUCTIVE CdS CELL	1MΩ	18.5KΩ	100V

### Metal Case CDS Photoresistors



Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

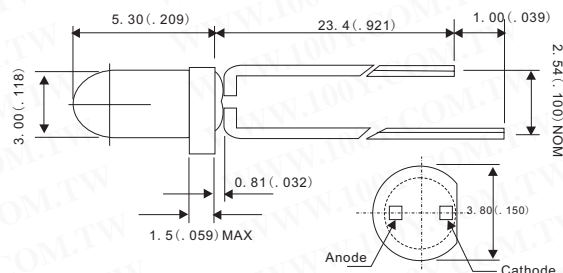
Part No.	Product No.	Description	Dark resistance(MΩ)	Size	Vmax(Vdc)	Spectrum peak value (nm)	Light resistance(10Lux)kΩ
19626	PGM1201-MP	Metal Case Cds Photocell	2MΩ	Φ12mm	250	560	4~10kΩ
19627	PGM1203-MP	Metal Case Cds Photocell	10MΩ	Φ12mm	250	560	18~50kΩ
37824	PGM1204-MP	Metal Case Cds Photocell	20MΩ	Φ12mm	250	560	45~150kΩ
19628	PGM1205-MP	Metal Case Cds Photocell	20MΩ	Φ12mm	250	560	140~300kΩ
19618	PGM5506-MP	Metal Case Cds Photocell	0.15MΩ	Φ5.5mm	100	540	2~6kΩ
19619	PGM5516-MP	Metal Case Cds Photocell	0.2MΩ	Φ5.5mm	100	540	5~10kΩ
19620	PGM5526-MP	Metal Case Cds Photocell	1.0MΩ	Φ5.5mm	100	540	8~20kΩ
19623	PGM5537-MP	Metal Case Cds Photocell	2.0MΩ	Φ5.5mm	100	540	16~50kΩ
19624	PGM5539-MP	Metal Case Cds Photocell	5.0MΩ	Φ5.5mm	100	540	30~90kΩ
19625	PGM5549-MP	Metal Case Cds Photocell	10MΩ	Φ5.5mm	100	540	45~140kΩ

### Infrared Emitters And Detectors, Photodiodes Infrared Emitting Diode



- Features**
- High radiant power and high radiant intensity
  - Standard T-1package
  - Peak wavelength λp=940nm
  - Good spectral matching to si-photodetector
  - Radiant angle: 30°
  - Lens appearance: Water clear
  - This product doesn't contain restriction substance, comply ROHS standard

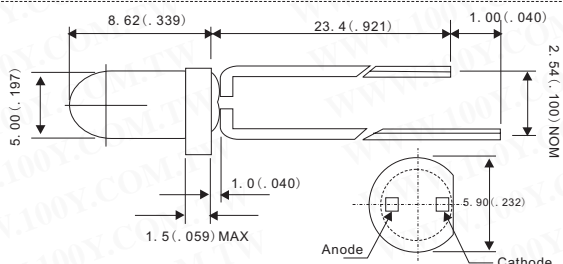
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	Vf@If(mA)	λP(nm)	If max.	Vr max.
31890	BIR-BM1341	BRTLED	Infrared Emitting Diode	φ3*5.3mm Standard T-1	100mW	1.5V/50mA	940	100mA	5V



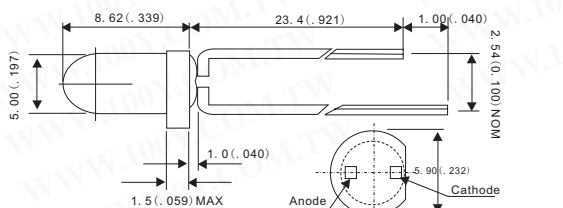
- Notes:**
- All dimensions are in millimeters (inches)
  - Tolerance is ±0.25mm (0.01") unless otherwise specified
  - Lead spacing is measured where the leads emerge from the package
  - Specifications are subject to change without notice.
  - Lens appearance: water clear



Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	Vf@If(mA)	λP(nm)	If max.	Vr max.
31891	BIR-BM13J4G	BRTLED	Infrared Emitting Diode	5*8.62mm	100mW	1.5V/50mA	940	100mA	5V



- Features**
- High radiant power and high radiant intensity
  - Standard T-1 3/4 (5mm) package
  - Peak wavelength λp=940nm
  - Good spectral matching to si-photodetector
  - Radiant angle: 40°
  - Lens appearance: Light Blue Transparent
  - This product doesn't contain restriction substance, comply ROHS standard



Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	Vf@If(mA)	λP(nm)	Δθ(deg)	If max.	Vr max.
35594	BIR-BM18E4G-2	BRT	5mm Infrared Led, T-1 3/4	T-1 3/4(5mm)	100	1.25V/50mA	940nm	40	100mA	5V







# Infrared Emitting Diode

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



The EL-1K3 is a high-power GaAs IRED mounted in durable, hermetically sealed TO-18 metal can package, which provides years of reliable performance even under demanding conditions such as use outdoors.

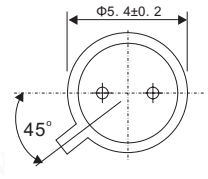
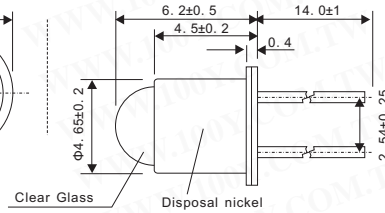
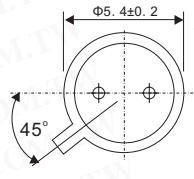
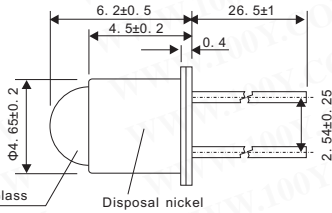
### FEATURES

- Wide beam angel
- Durable
- High reliability in demanding environments

### APPLICATIONS

- Optical emitters
- Optical switches
- Smoke sensors

Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	Vf@If(mA)	λP(nm)	Δθ(deg)	If max.	Vr max.
18112	EL-1K3	KODENSHI	Infrared Emitting Diode	TO-18	200mW	1.35V/100mA	940	±36	100	5V



The EL-1KL3 and 1KL5 are high-power GaAs IREDs mounted in durable, hermetically sealed TO-18 metal can package, which provides years of reliable performance even under demanding conditions such as use outdoors.

### FEATURES

- Narrow beam angle
- Durable
- High reliability in demanding environments

### APPLICATIONS

- Optical emitters
- Optical switches
- Emcoders
- Smoke sensors

Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	Vf@If(mA)	λP(nm)	Δθ(deg)	If max.	Vr max.
3773	EL-1KL3	KODENSHI	Infrared Emitting Diode	TO-18	170	1.7V/100mA	940	±8	100	5v



Infrared Emitting Diode

Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	Vf@If(mA)	λP(nm)	Δθ(deg)	If max.	Vr max.
3851	EL-1L7 (D)	OPTOSENSOR	Infrared Emitting Diode	Epoxy resin	100	1.7V/100mA	940	±30	100	5v



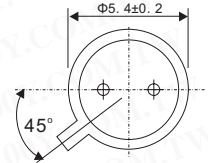
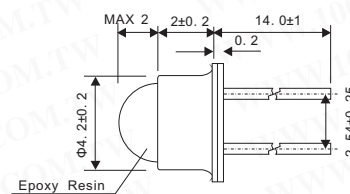
The EL-1ML2, a high-power GaAs IRED mounted in a TO-18 type header with clear epoxy encapsulation, has wide beam angle and is relatively low-cost compared to TO-18 can-type devices.

### FEATURES

- Wide beam angle
- Relative low cost against metal can package
- Low profile package

### APPLICATIONS

- Optical switches
- Encoders
- Optical readers

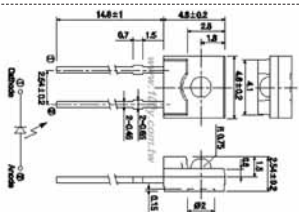


Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	Vf@If(mA)	λP(nm)	Δθ(deg)	If max.	Vr max.
18158	EL-1ML2	KODENSHI	Infrared Emitting Diode	TO-18	170	1.2V/50mA	940	±32	100	5V



Infrared Emitting Diode

Part No.	Product No.	Manufacturer	Description	Po (mW)	Vf@If(mA)
43452	EL-8L	KODENSHI	Infrared Emitting Diode	80	1.2V/60mA



Infrared Emitting Diodes(GaAs)

Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	λP(nm)	Δθ(deg)	If max.	Vr max.
33081	EL23G	KODENSHI	Infrared Emitting Diodes(GaAs)	Sidelooking plastic package	100 mW	940nm	±30 deg	60mA	5V

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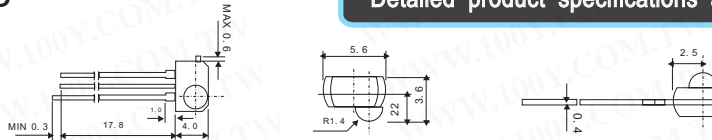
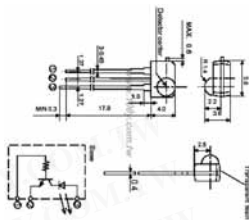
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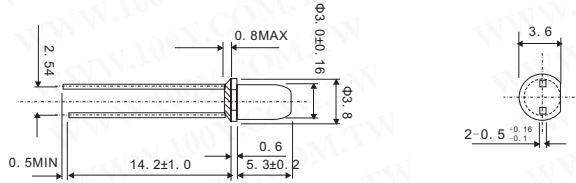
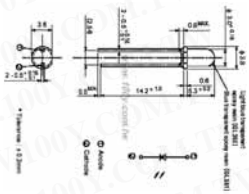


## Infrared Emitting Diode

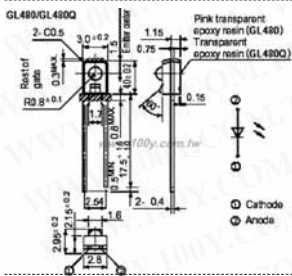
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Part No.	Product No.	Manufacturer	Description	λP(nm)	Δθ(deg)	If max.
33207	GL1F20	SHARP	Infrared Emitting Diode	870nm	±20	50mA

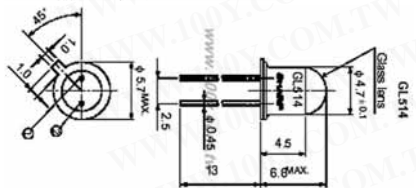


Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	λP(nm)	Δθ(deg)	If max.	Vr max.
33209	GL380	SHARP	High Output, f3mm ResinMold Type Infrared Emitting Diode	resin mold package	150mW	950nm	± 13	60mA	6V



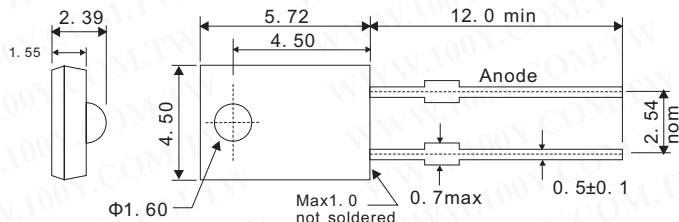
### Infrared Emitting Diode

Part No.	Product No.	Manufacturer	Description	Po (mW)	λP(nm)	Δθ(deg)	If max.	Vr max.
33210	GL480	SHARP	Infrared Emitting Diode	75mW	950nm	± 13	50mA	6V



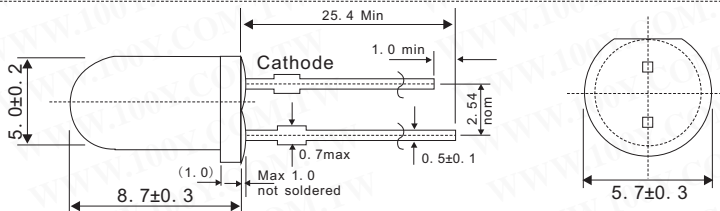
### TO-18 Infrared Emitting Diode

Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	λP(nm)	Δθ(deg)	If max.	Vr max.
33211	GL514A	SHARP	TO-18 Infrared Emitting Diode	TO-18	250mW	950nm	± 7	150mA	6V



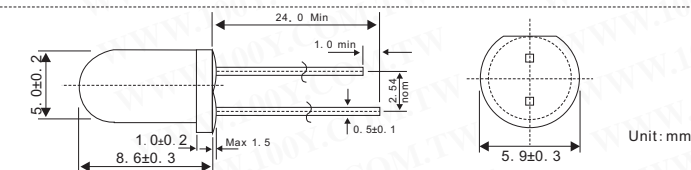
Unit: mm. Tolerance: 0.25mm

Part No.	Product No.	Description	Package	Po (mW)	Vf@If(mA)	λP(nm)	Δθ(deg)	If max.	Vr max.
16263	HIRB1b-48C	Infrared Emitting Diode	2.39*4.5mm	20mW	1.28Vf@20mA	940nm	40	50mA	5V
16264	HIRB1b-48E	Infrared Emitting Diode	2.39*4.5mm	7.5mW	1.65Vf@50mA	880nm	40	100mA	5V



Unit: mm.

Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	Vf@If(mA)	λP(nm)	Δθ(deg)	If max.	Vr max.
16232	HIRB5-43C-A	Haw Shuenn	Infrared Emitting Diode	ψ5*8.7mm Epoxy resin	135mW	1.28Vf@50mA	940nm	15°	80mA	5V
16265	HIRB5-43D-C	Haw Shuenn	Infrared Emitting Diode	ψ5*8.7mm Epoxy resin	50mW	1.25Vf@50mA	940nm	40	100mA	5V
16266	HIRB5-43G-A	Haw Shuenn	Infrared Emitting Diode	ψ5*8.7mm Epoxy resin	140mW	1.5Vf@50mA	850nm	12°	100mA	4V



Unit: mm.

### Applications:

- Free air transmission system
- Optoelectronic switch
- Floppy disk drive
- Infrared applied system
- Smoke detector

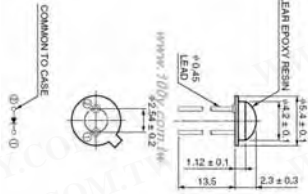
Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	Vf@If(mA)	λP(nm)	Δθ(deg)	f max.	Vr max.
17899	IR333/H0-A	EVERLIGHT	5mm Infrared Led, T-1 3/4	T-1 3/4	150mW	1.2V@20mA	940nm	40	100mA	5V





## Infrared Emitting Diode

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



### Features

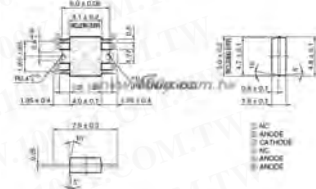
- High radiant output power
- High reliability

### Applications

- Optical switch
- Automatic control system

Part No.	Product No.	Manufacturer	Description	Package	λP(nm)	If max.	Vr max.
27125	L2656	HAMAMATSU	High Power GaAlAs infrared LED	Resin-potted/with reflector	920	80mA	5V

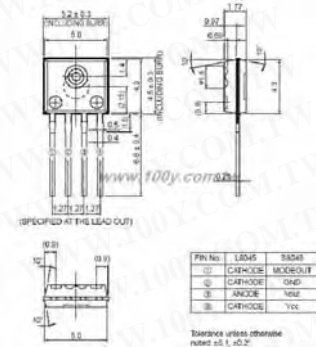
### Dimensional outline (unit: mm)



### Features

- Low forward voltage: 2.4V (IF=1.0A)
- High radiant output power by constant voltage drive
- Small emission spot (reflector size)

Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	Vf@If(mA)	λP(nm)	If max.	Vr max.
27120	L5871	HAMAMATSU	Infrared LED	Plastic	7.0	1.35	900	80mA	3V



L8045 and S8046 are optical communication devices designed for POF (plastic optical fiber) data links. L8045 is a highly reliable, high-power LED that emits red light with a peak at 650 nm optimized for POF. A mini-lens is molded on the package for efficient coupling to a POF. When used with our recommended driver circuit, a 50 Mbps transmitter can be configured at low cost. S8046 is a high sensitivity, high-speed photo IC that receives signals at 50 Mbps and covers a wide dynamic range of 21.5dB. The output is TTL compatible. S8046 also features a sleeping mode in which operation automatically switches to low power dissipation mode when no light is input and switches back to normal operation mode when light is input from the optical fiber. The internal IC checks which mode is currently selected and this check signal is available from the mode output terminal. Current consumption in sleeping mode is approximately 1/400th that of normal operation mode.

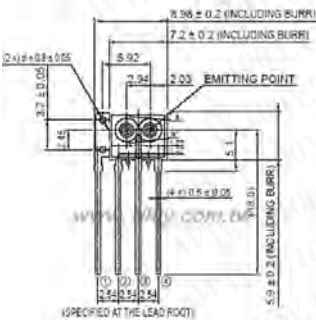
### Features

- Peak wavelength: 650nm
- High reliability
- High output

### Applications

- High-speed data transmission even under poor environmental conditions with high noise

Part No.	Product No.	Manufacturer	Description	Package	If max.	Vr max.
27132	L8045	HAMAMATSU	RED LED for optical link	Plastic/with lens	40mA	5V



L8628 and S8627-01A are transmitter and receiver photo ICs developed for MOST (Media Oriented System Transport) networks used in vehicles to communicate multimedia information. The transmitter photo IC L8628 consists of a red LED, driver IC and current regulator chip incorporated into a clear plastic package and can be set to an operating mode that reduces the optical output level by half. The receiver photo IC S8627-01A is a monolithic photo IC fabricated by the PIN-BiP process and features a wide dynamic range. It also has a low power consumption "sleeping mode" and an optical wakeup mode triggered by input of light. Both the transmitter and receiver photo IC input and output digital signals through a TTL interface.

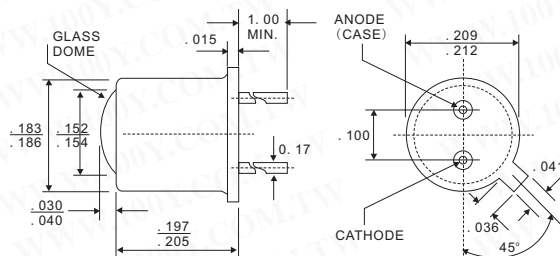
### Features

- DC to 50Mbps data communications
- TTL input
- Optical output 50% cut mode

### Applications

- Only for vehicle networks (MOST)

Part No.	Product No.	Manufacturer	Description	Package	λP(nm)
27137	L8628	HAMAMATSU	Transmitter photo IC for optical link	Plastic/with lens	670nm



### FEATURES

- High reliability liquid-phase epitaxially grown GaAlAs
- 880nm peak emission for optimum matching with ODD-45W photodiode
- Wide range of linear power output
- Hermetically sealed TO-46 package
- Narrow angle for long distance applications
- OD-880F1 selected to meet minimum radiant intensity

Part No.	Product No.	Description	Package	λP(nm)	If max.	Vr max.
32488	OD-880F	OPTO Diode_HIGH-POWER GaAlAs IR EMITTERS	TO-46	880	100mA	0

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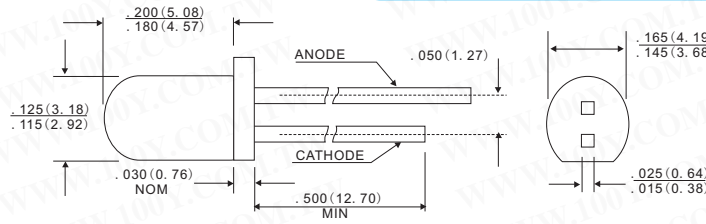
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## Infrared Emitting Diode

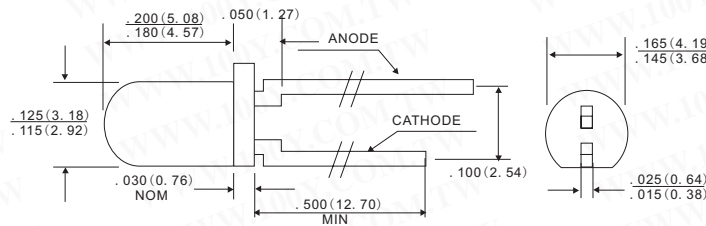
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



### Features

- Narrow irradiance pattern
- Mechanically and spectrally matched to the Op505 and Op535 series devices
- Variety of power ranges
- Small package size for space limited applications
- T-1 package style

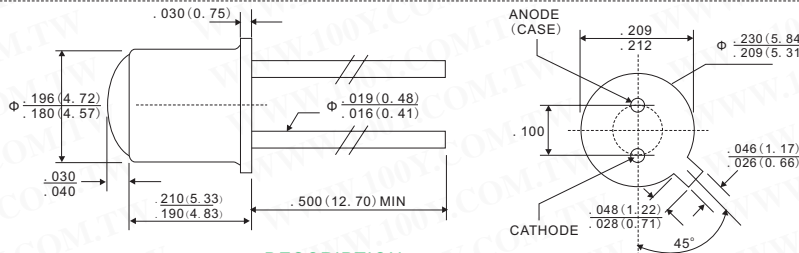
Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	Vf@If(mA)	λP(nm)	Δθ(deg)	If max.	Vr max.
32541	OP165A	OPTEK	GaAs Platic Infrared Emitting Diode	T-1	0.5mW	1.6V/100mA	935	18	50mA	2V
36281	OP165B	OPTEK	Infrared Emitting Diodes(GaGAs)	T-1	0.5mW	1.6V/100mA	935	18	50mA	2V
36282	OP165C	OPTEK	Infrared Emitting Diodes(GaGAs)	T-1	0.5mW	1.6V/100mA	935	18	50mA	2V
36284	OP165D	OPTEK	Infrared Emitting Diodes(GaGAs)	T-1	0.5mW	1.6V/100mA	935	18	50mA	2V



### Features

- Narrow irradiance pattern
- Mechanically and spectrally matched to the Op506 series phototransistors
- Variety of power ranges
- Small package size for space limited applications
- T-1 package style

Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	Vf@If(mA)	λP(nm)	Δθ(deg)	If max.	Vr max.
40932	OP166A	OPTEK	Infrared Emitting Diodes(GaGAs)	T-1 3/4	100mW	20mA	935nm	18deg	20mA	2V



### FEATURES

- Enhanced temperature range
- To-46 hermetically sealed package
- Mechanically and spectrally matched to Op800 OP593, and Op598 phototransistors
- Specified apertured power in ranges to satisfy most applications
- Variety of power ranges

### DESCRIPTION

The Op231 series devices are gallium aluminum arsenide infrared emitting diodes mounted in hermetic TO-46 housings. Gallium aluminum arsenide features higher radiated output than gallium arsenide at the same forward current. The wavelength is centered at 890nm which closely matches the spectral response of silicon phototransistors. The Op231 series is lensed to provide a narrow beam angle (18° between half power points). The narrow beam angle and the specified radiant intensity of the Op231 series allow ease of design in beam interrupt applications in conjunction with the Op800 or Op598 photosensor.

Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	λP(nm)	Δθ(deg)	If max.	Vr max.
36469	OP232	OPTEK	GaAlAs Hermetic Infrared Emitting Diode	TO-46	200mW	890nm	±18deg	5A	5V



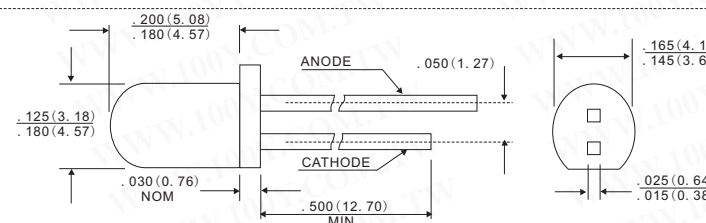
### FEATURES

- Wide irradiance pattern
- Enhanced temperature range
- Mechanically and spectrally matched to the OP800WSL and OP830SL series devices
- Significantly higher power output than GaAs at equivalent drive currents
- TO-46 hermetically sealed package

### DESCRIPTION

The Op231 W series devices are 890nm gallium aluminum arsenide infrared emitting diodes mounted in hermetically sealed packages. The broad irradiance pattern provides relatively even illumination over a large area.

Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	λP(nm)	If max.	Vr max.
36470	OP232W	OPTEK	GaAlAs Hermetic Infrared Emitting Diode	TO-46	200mW	890nm	100mA	2V



### Features

- Narrow irradiance pattern
- Mechanically and spectrally matched to the Op505 and Op535 series devices
- Significantly higher power output than GaAs at equivalent drive currents
- Wavelength matched to silicon's peak response
- T-1 package style

Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	λP(nm)	Δθ(deg)	If max.	Vr max.
36428	OP265A	OPTEK	Infrared Emitting Diodes(GaGAs)	T-1	100mW	890nm	±18 deg	50mA	2V





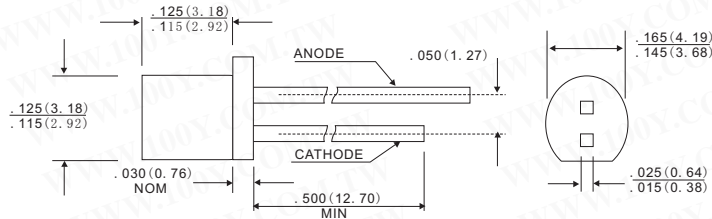
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## Infrared Emitting Diode

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

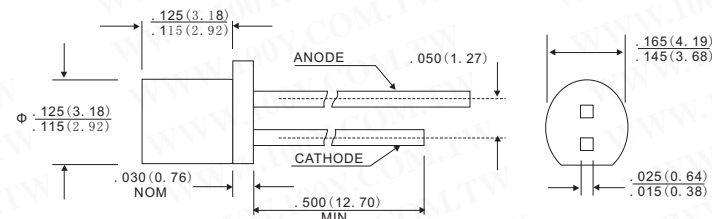
Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	λP(nm)	Δθ(deg)	If max.	Vr max.
36429	OP265B	OPTEK	Infrared Emitting Diodes(GaAlAs)	T-1	100mW	890nm	±18 deg	50mA	2V
36430	OP265C	OPTEK	Infrared Emitting Diodes(GaAlAs)	T-1	100mW	890nm	±18 deg	50mA	2V
36431	OP265D	OPTEK	Infrared Emitting Diodes(GaAlAs)	T-1	100mW	890nm	±18 deg	50mA	2V



### Features

- Wide irradiance pattern
- Mechanically and spectrally matched to the Op505W
- Small package size for space limited applications
- Significantly higher power output than GaAs at equivalent drive currents
- T-1 package style

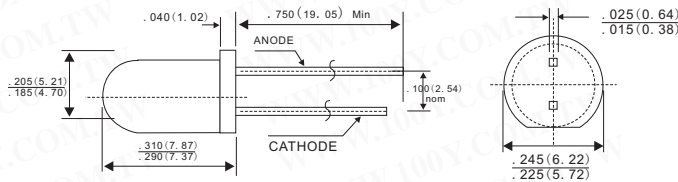
Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	λP(nm)	Δθ(deg)	If max.	Vr max.
36432	OP265W	OPTEK	Infrared Emitting Diodes(GaAlAs)	T-1	100mW	890nm	±90deg	50mA	2V



### Features

- Point source irradiance pattern
- Small package size for space limited applications
- T-1 package style

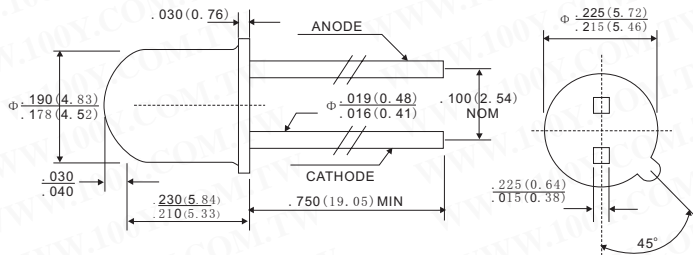
Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	λP(nm)	Δθ(deg)	If max.	Vr max.
36434	OP265WPS	OPTEK	Plastic Point Source In fra red Emitting Diode	T-1	100 mW	850 nm	±60° Deg.	50mA	2V



### FEATURES

- Wide irradiance pattern
- Significantly higher power output than GaAs at equivalent drive currents
- T-1 3/4 package style
- UL recognized, File No. S2047

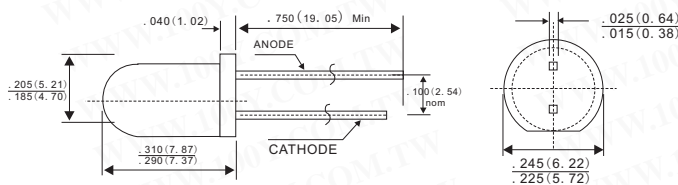
Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	Vf@If(mA)	λP(nm)	Δθ(deg)	If max.	Vr max.
36462	OP290A	OPTEK	Infrared Emitting Diodes(GaAlAs)	T-1 3/4	333mW		890nm	±50deg	5A	5V
36463	OP290B	OPTEK	Infrared Emitting Diodes(GaAlAs)	T-1 3/4		4V	890	50		
36464	OP290B	OPTEK	Infrared Emitting Diodes(GaAlAs)	T-1 3/4	333mW		890nm	±50deg	5A	5V
36465	OP290C	OPTEK	Infrared Emitting Diodes(GaAlAs)	T-1 3/4	333mW		890nm	±50deg	5A	5V



### FEATURES

- Wide irradiance pattern (OP293 series)
- Narrow irradiance pattern (OP298 series)
- Mechanically and spectrally matched to the Op593 and Op598 series phototransistors
- Variety of power ranges
- Significantly higher power output than GaAs at equivalent drive currents
- Wavelength matched to silicon's peak response
- Low cost replacement for TO-46 hermetic package.

Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	λP(nm)	Δθ(deg)	If max.	Vr max.
36487	OP293A	OPTEK	Infrared Emitting Diode(GaAlAs)	TO-46	142mW	890nm	±60deg	100mA	2V
36488	OP293B	OPTEK	Infrared Emitting Diode(GaAlAs)	TO-46	142mW	890nm	±60deg	100mA	2V
36490	OP293C	OPTEK	Infrared Emitting Diode(GaAlAs)	TO-46	142mW	890nm	±60deg	100mA	2V



### FEATURES

- Narrow irradiance pattern
- Significantly higher power output than GaAs at equivalent drive currents
- T-1 3/4 package style
- UL recognized, File No. S2047
- Wavelength matched to silicon's peak response
- Excellent heat dissipation

Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	λP(nm)	Δθ(deg)	If max.	Vr max.
36438	OP295A	OPTEK	Infrared Emitting Diodes(GaAlAs)	T-1 3/4	77mW	890nm	±20deg	5A	5V



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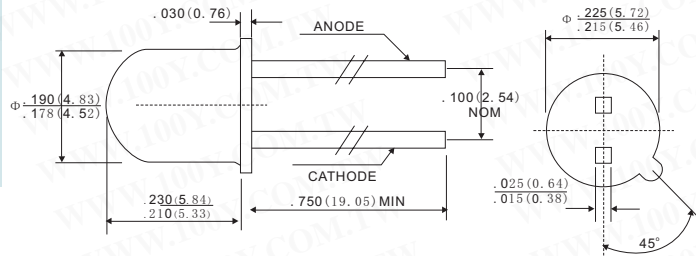
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## Infrared Emitting Diode

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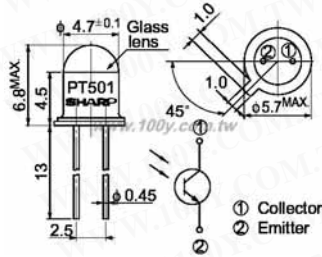
Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	λP(nm)	Δθ(deg)	If max.	Vr max.
36440	OP295B	OPTEK	Infrared Emitting Diodes(GaAlAs)	T-1 3/4	100mW	890nm	±20deg	5A	5V
36439	OP295C	OPTEK	Infrared Emitting Diodes(GaAlAs)	T-1 3/4	100mW	890nm	±20deg	5A	5V



### FEATURES

- Wide irradiance pattern (OP293 series)
- Narrow irradiance pattern (OP298 series)
- Mechanically and spectrally matched to the Op593 and Op598 series phototransistors
- Variety of power ranges
- Significantly higher power output than GaAs at equivalent drive currents
- Wavelength matched to silicon's peak response
- Low cost replacement for TO-46 hermetic package.

Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	λP(nm)	Δθ(deg)	If max.	Vr max.
36491	OP298A	OPTEK	Infrared Emitting Diode(GaAlAs)	TO-46	142mW	890nm	±60deg	100mA	2V
36492	OP298B	OPTEK	Infrared Emitting Diode(GaAlAs)	TO-46	200mW	890nm	±25deg	100mA	2V
36494	OP298C	OPTEK	Infrared Emitting Diode(GaAlAs)	TO-46	142mW	890nm	±25deg	100mA	2V



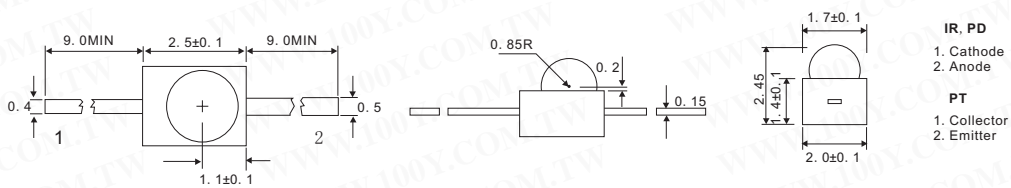
### Features

- Narrow acceptance (Δθ: TYP. ±6°)
- TO-18 type standard package
- With base terminal: PT510

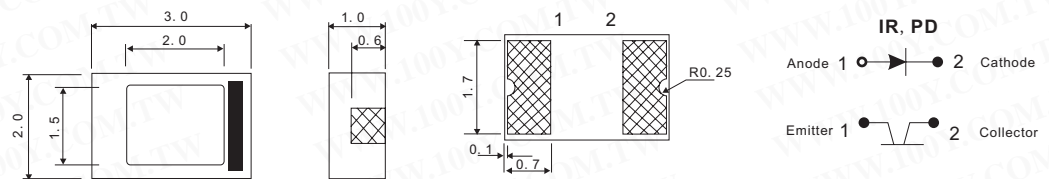
### Applications

- Optoelectronic switches, optoelectronic counters
- Smoke detectors
- Infrared applied systems

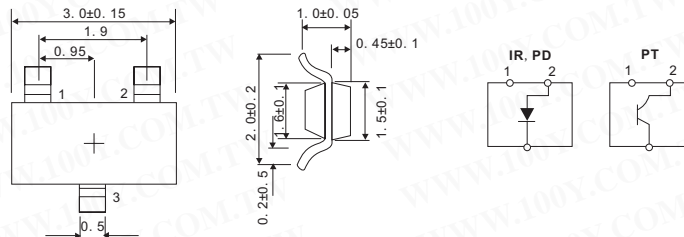
Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	λP(nm)	Δθ(deg)	If max.	Vr max.
29018	PT501K	SHARP	TO-18 Type Narrow Acceptance Phototransistor	TO-18	75mW	800nm			



Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	Vf@If(mA)	λP(nm)	Δθ(deg)	If max.	Vr max.
10297	SY-IR10	SHIAN YIH	Infrared Emitting Diode	Epoxy resin	0.7	1.6V/20mA	940	±15	50mA	5V



Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	Vf@If(mA)	λP(nm)	Δθ(deg)	If max.	Vr max.
10283	SY-IR12	SHIAN YIH	Infrared Emitting Diode	Ceramic Epoxy resin	0.7	1.6V/20mA	940	±50	50mA	5



Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	Vf@If(mA)	λP(nm)	Δθ(deg)	If max.	Vr max.
10286	SY-IR15	SHIAN YIH	Infrared Emitting Diode	SOT-23	0.7	1.6V/20mA	940	±70	50mA	5

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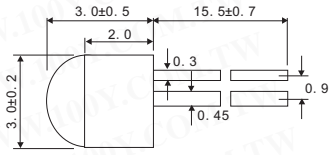
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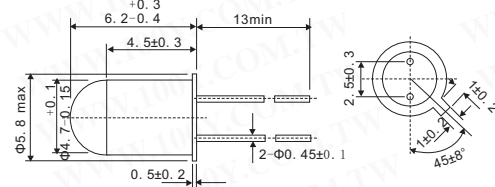


## Infrared Emitting Diode

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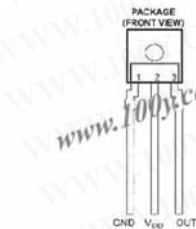
Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	Vf@If(mA)	λP(nm)	Δθ(deg)	If max.	Vr max.
10278	SY-IR30B	SHIAN YIH	Infrared Emitting Diode	Ceramic Epoxy resin	1.5mW/20mA	1.6V/20mA	940	±50	60mA	5V



### FEATURES

- TO-18 metal package
- High radiant intensity: IE=20mW/sr (typ.)
- Excellent radiant-intensity linearity, modulation by pulse operation and high frequency is possible
- Highly reliable due to hermetic seal

Part No.	Product No.	Manufacturer	Description	Package	Po (mW)	Vf@If(mA)	λP(nm)	Δθ(deg)	If max.	Vr max.
39201	TLN108	TOSHIBA	Infrared Emitting Diodes(GaAlAs)	TO-18	20	50	940	±50deg	1	5



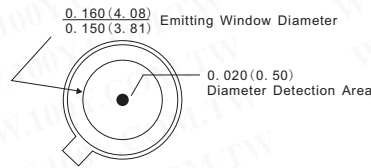
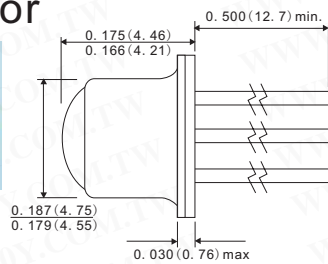
### FEATURES

- 137mV (μW/cm<sup>2</sup>), λp (wavelength) =635nm (TSL250R)
- Single electronic source
- Low current, 1.1mA
- Voltage: 2.7-5.5V

Part No.	Product No.	Description	λP(nm)	If max.	Vr max.
39495	TSL250R	High conformity Diode	635nm	1.1mA	5.5

## Photo Transistor

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



### FEATURES

- 0.020° dia. light pipe aperture
- TO-72 package
- analog output

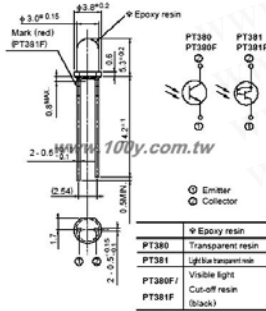
Part No.	Product No.	Manufacturer	Description	Vceo	Package
35357	CLI710	CLAIREX	IREDD - Phototransistor Reflective Object Sensor	5.0V	T0-72

### FEATURES

- High sensitivity  
(Ic: MIN. 160μA at Ev=1001x, PT380)  
(Ic: MIN. 120μA at Ev=21x, PT381)
- Compact Φ3mm resin mold package
- Intermediate acceptance (Δθ: TYP. ±20°)
- Visible light cut-off type: PT380F/PT381F

### APPLICATIONS

- Floppy disk drives
- Optoelectronic switches
- Infrared applied systems



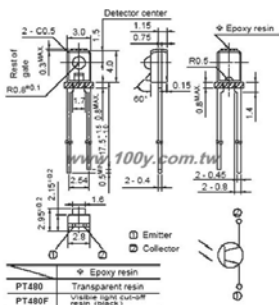
Part No.	Product No.	Manufacturer	Description	Vceo	Light Cur. (mA)	Δθ(deg)	λP(nm)	Package
34455	PT380	SHARP	High Sensitivity, f 3mm Resin Mold Type Phototransistor	35V	1mA	+20	800nm	f 3mm Resin Mold Type
34460	PT380F	SHARP	High Sensitivity, f 3mm Resin Mold Type Phototransistor	35V	10mA	+20	860nm	f 3mm Resin Mold

### FEATURES

- Epoxy resin package
- Narrow acceptance (Δθ: TYP. ±13°)
- Visible light cut-off type: PT480F

### APPLICATIONS

- VCRs, cassette tape recorders
- Floppy disk drives
- Optoelectronic switches
- Automatic stroboscopes



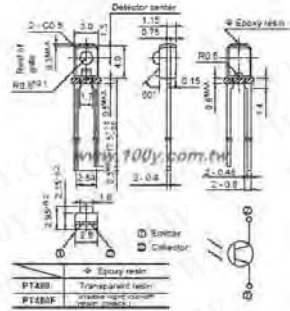
Part No.	Product No.	Manufacturer	Description	Vceo	Light Cur. (mA)	Δθ(deg)	λP(nm)	Package
34464	PT480F	SHARP	Narrow Acceptance Phototransistor	35V	2mA	+13	800nm	Epoxy resin





## Photo Transistor

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



### FEATURES

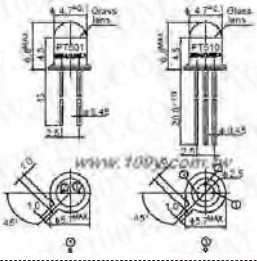
- Epoxy resin package
- Narrow acceptance ( $\Delta\theta$ : Typ.  $\pm 13^\circ$ )
- High sensitivity  
( $I_c$ : MIN. 1.5mA at  $E_s=0.1mW/cm^2$ ) **PT481/PT483F1**  
( $I_c$ : MIN. 0.9mA at  $E_s=0.1mM/cm^2$ ) **PT481F**
- Visible light cut-off type **PT481F/PT483F1**
- Long lead pin type: **PT483F1**

### APPLICATIONS

- VCRs, cassette tape recorders
- Floppy disk drives
- Optoelectronic switches
- Automatic stroboscopes



Part No.	Product No.	Manufacturer	Description	V <sub>ceo</sub>	Light Cur. (mA)	$\Delta\theta$ (deg)	$\lambda$ P(nm)	Package
34468	PT481F	SHARP	Narrow Acceptance High Sensitivity Phototransistor	35V	10mA	+13	860nm	Epoxy resin



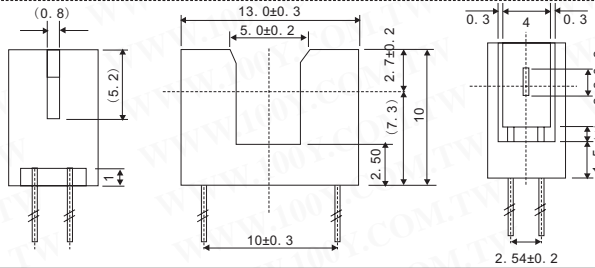
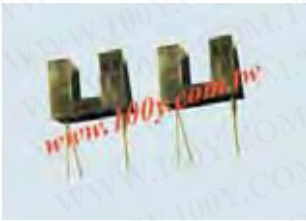
### FEATURES

- TO-18 type standard package
- Narrow acceptance ( $\Delta\theta$ : TYP.  $\pm 6^\circ$ )
- With base terminal: PT510

### APPLICATIONS

- Optoelectronic switches, optoelectronic counters
- Smoke detectors
- Infrared applied systems

Part No.	Product No.	Manufacturer	Description	V <sub>ceo</sub>	Light Cur. (mA)	$\Delta\theta$ (deg)	$\lambda$ P(nm)	Package
34469	PT510	SHARP	TO-18 Type Narrow Acceptance Phototransistor	35V	2mA	+6	800nm	TO-18



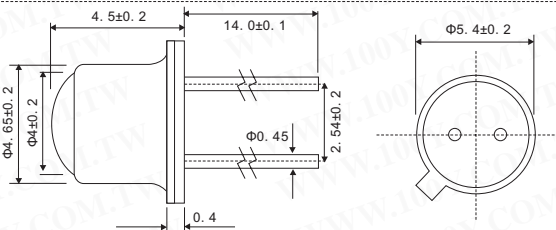
### FEATURES

- High performance
- High-speed response
- 5mm gap.
- Widely applicable

### APPLICATIONS

- Tape-end sensors
- Timing sensors
- Edge sensors
- Copiers

Part No.	Product No.	Manufacturer	Description	V <sub>ceo</sub>	Light Cur. (mA)	$\Delta\theta$ (deg)	$\lambda$ P(nm)	Package
40258	SG-207	KODENSHI	Photo Transistors	40	40		940	



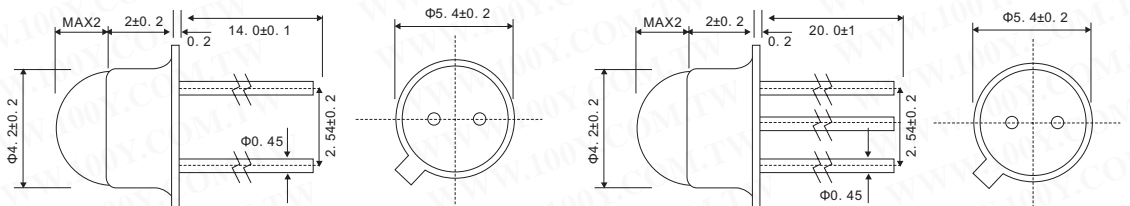
### FEATURES

- TO-18 can type with lens
- High reliability

### APPLICATIONS

- Optical switches
- Industrial machines

Part No.	Product No.	Manufacturer	Description	V <sub>ceo</sub>	Light Cur. (mA)	$\Delta\theta$ (deg)	$\lambda$ P(nm)	Package
18160	ST-1KLA	KODENSHI	Photo Transistors	40	6	$\pm 15$	880	TO-18



### FEATURES

- Wide angular response
- Relatively low-cost against metal can package
- Low profile package
- Two leads (Collector, Emitter) ST-1MLA
- Three leads (Collector, Emitter, Base) ST-1MLB

### APPLICATIONS

- Optical counters
- Infrared sensors
- Camera stroboscopes

Part No.	Product No.	Manufacturer	Description	V <sub>ceo</sub>	Light Cur. (mA)	$\Delta\theta$ (deg)	$\lambda$ P(nm)	Package
47571	ST-1MLB	KODENSHI	Photo Transistors	30	30	$\pm 70$		

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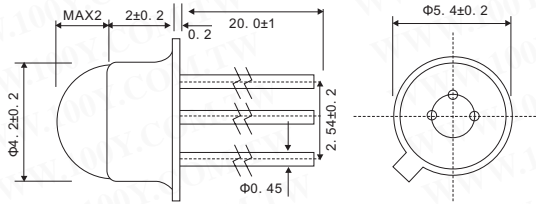




# OPTOELECTRONICS & INDICATORS

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## Photo Transistor



Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

### FEATURES

- TO-18 visible ray cut off resin potting type
- With the base terminal
- Wide angular response

### APPLICATIONS

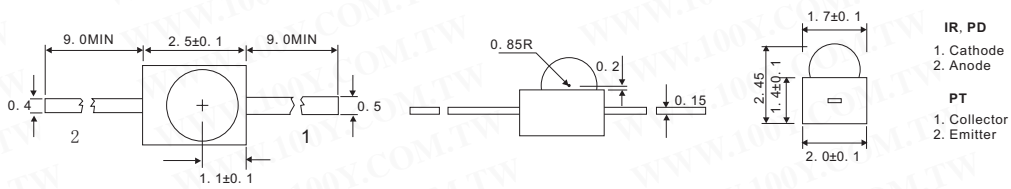
- Optical switches
- Industrial machines
- OA

Part No.	Product No.	Manufacturer	Description	Vceo	Light Cur. (mA)	Δθ(deg)	λP(nm)	Package
18159	ST-1MLBR2	KODENSHI	Photo Transistors	40	1.2	±70	940	TO-18



Photo Transistors

Part No.	Product No.	Manufacturer	Description	Light Cur. (mA)	Δθ(deg)
43451	SY-2L2B	KODENSHI	Photo Transistor	20	±20
43450	SY-8LR2	KODENSHI	Photo Transistor	20	±17



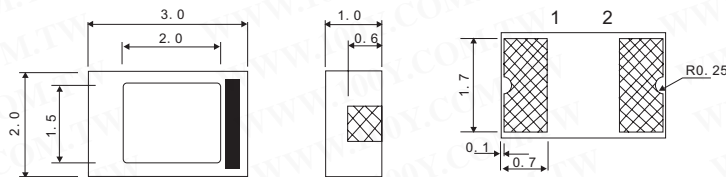
### IR, PD

1. Cathode
2. Anode

### PT

1. Collector
2. Emitter

Part No.	Product No.	Manufacturer	Description	Vceo	Light Cur. (mA)	Δθ(deg)	λP(nm)	Package
10298	SY-10PT	SHIAN YIH	Photo Transistor	30	5	±15	900	Epoxy resin



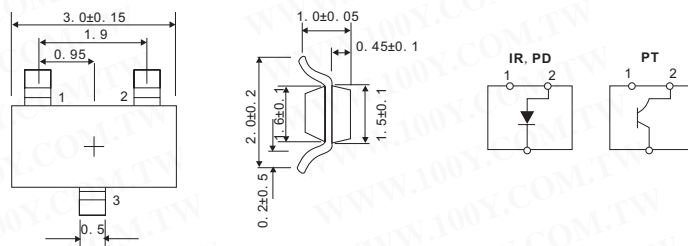
### IR, PD

- Anode 1 2 Cathode

- Emitter 1 2 Collector



Part No.	Product No.	Manufacturer	Description	Vceo	Light Cur. (mA)	Δθ(deg)	λP(nm)	Package
10284	SY-12PT	SHIAN YIH	Photo Transistor	30	5	±50	900	Ceramic Epoxy resin

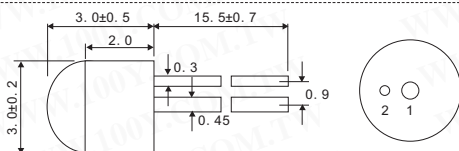


### IR, PD

### PT



Part No.	Product No.	Manufacturer	Description	Light Cur. (mA)	Δθ(deg)
10291	SY-15PT	SHIAN YIH	Photo Transistor	5	±70



### IR

1. Cathode
2. Anode

### PT

1. Collector
2. Emitter



Part No.	Product No.	Manufacturer	Description	Vceo	Light Cur. (mA)	Δθ(deg)	λP(nm)	Package
10279	SY-30PT	SHIAN YIH	Photo Transistor	30	10	±50	900	Ceramic Epoxy resin

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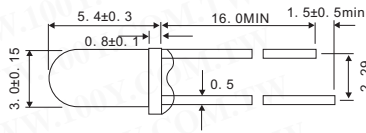


# OPTOELECTRONICS & INDICATORS

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## Photo Transistor

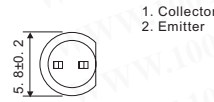
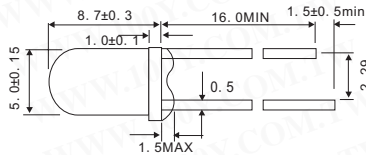
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- PD**  
 1. Cathode  
 2. Anode
- PT**  
 1. Collector  
 2. Emitter



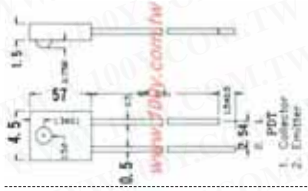
Part No.	Product No.	Manufacturer	Description	Vceo	Light Cur. (mA)	$\Delta\theta$ (deg)	$\lambda P$ (nm)	Package
10379	SY-32PT	SHIAN YIH	Photo Transistor	30	10	$\pm 8$	900	Epoxy resin



1. Collector  
 2. Emitter

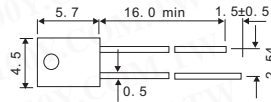
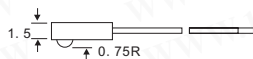


Part No.	Product No.	Manufacturer	Description	Vceo	Light Cur. (mA)	$\Delta\theta$ (deg)	$\lambda P$ (nm)	Package
1890	SY-52PT	SHIAN YIH	Photo Transistor	30	15	$\pm 15$	900	Epoxy Resin



### Photo Transistor

Part No.	Product No.	Manufacturer	Description	Vceo	Light Cur. (mA)	$\Delta\theta$ (deg)	$\lambda P$ (nm)	Package
14452	SY-74PDT	SHIAN YIH	Photo Transistor	30	5mA	$\pm 15$	900	Epoxy resin

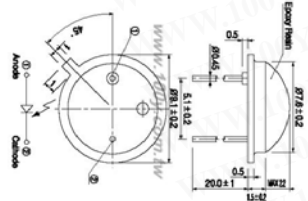


Part No.	Product No.	Manufacturer	Description	Vceo	Light Cur. (mA)	$\Delta\theta$ (deg)	$\lambda P$ (nm)	Package
1891	SY-74PT	SHIAN YIH	Photo Transistor	30	15	$\pm 15$	900	Epoxy resin



## Photo Diode

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



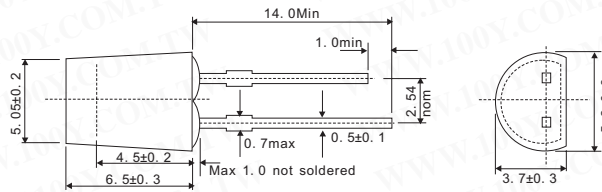
### FEATURES

- High-output power
- High-speed response
- Wide angular response
- Relatively low-cost against metal can package

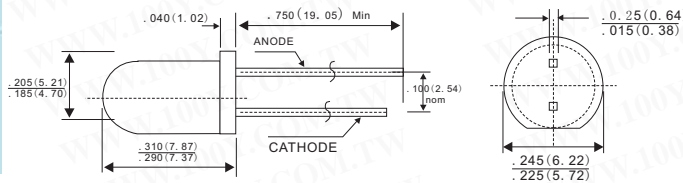
### APPLICATIONS

- Optical detectors
- Optical switches

Part No.	Product No.	Manufacturer	Description	Open Circuit Voc	Package
22609	HP-3ML	HP	Photo diode	5V	2P/TO-18



Part No.	Product No.	Manufacturer	Description	Open Circuit Voc	$\lambda P$ (nm)	$\Delta\theta$ (deg)	Vr	Package
16267	HPDB5K-15A	Haw Shuenn	Photo Diode	0.39V	900nm	150°	10V	TO-92 black



### FEATURES

- Narrow receiving angle
- Linear response vs. irradiance
- Fast switching time
- T-1 3/4 package style

Part No.	Product No.	Manufacturer	Description	Open Circuit Voc	$\lambda P$ (nm)	Vr	Package
33629	OP999	OPTEK	PIN Silicon Photodiode	1.2V	850 nm,	60V	T-1 3/4

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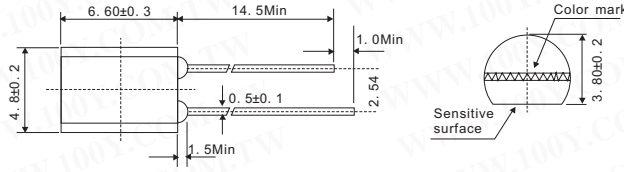
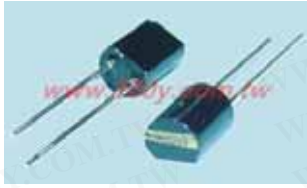
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## Photo Diode

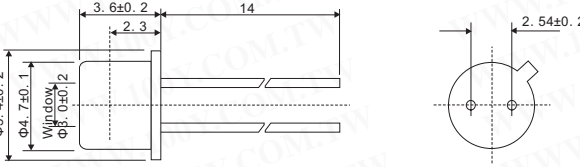


Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

### FEATURES

- Fast response time
  - High photo sensitivity
  - Small junction capacitance
- ### APPLICATIONS
- High speed photo detector
  - Camera
  - Infrared remote controller for TVs VCR, audio equipment, air conditioner, etc.

Part No.	Product No.	Manufacturer	Description	Open Circuit Voc	λP(nm)	Vr
17898	PD438B	EVERLIGHT	4.8mm Semi-Lens Silicon PIN Photodiode	0.35V	980	32



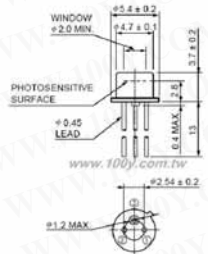
### FEATURES

- High sensitivity
- Low capacitance
- High reliability

### APPLICATIONS

- Analytical instruments
- Optical measurement equipment

Part No.	Product No.	Manufacturer	Description	λP(nm)	Vr
47844	S1336-18BK	HAMAMATSU	SI Photodiode	960nm	5V



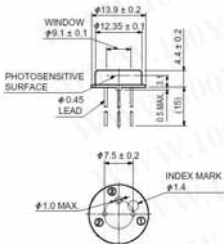
### FEATURES

- Stable operation at low bias
- High-speed response
- High sensitivity and low noise

### APPLICATIONS

- Spatial light transmission
- Rangefinder

Part No.	Product No.	Manufacturer	Description	λP(nm)	Package
39294	S2381	HAMAMATSU	APD optimized for Infrared Low Bias Voltage type	800nm	Metal/TO-18
27139	S2382	HAMAMATSU	APD optimized for Infrared Low Bias Voltage type	800nm	Metal/TO-18



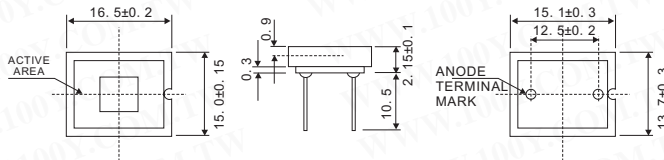
### FEATURES

- Stable operation at low bias
- High-speed response
- High sensitivity and low noise

### APPLICATIONS

- Spatial light transmission
- Rangefinder

Part No.	Product No.	Manufacturer	Description	λP(nm)	Δθ(deg)	Vr	Package
28357	S2385	HAMAMATSU	photodiode	800nm	5.0mm	150V	TO-8



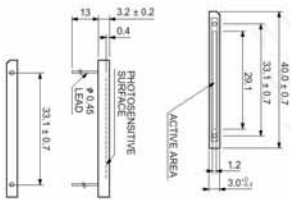
### FEATURES

- High sensitivity
- Low capacitance
- High reliability

### APPLICATIONS

- Analytical instruments
- Optical measurement equipment, etc

Part No.	Product No.	Manufacturer	Description	λP(nm)	Vr	Package
28359	S2387-1010R	HAMAMATSU	photodiode	960nm	30V	15*16.5mm



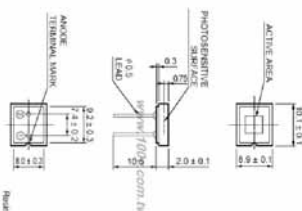
### FEATURES

- High sensitivity
- Low capacitance
- High reliability

### APPLICATIONS

- Analytical instruments
- Optical measurement equipment, etc

Part No.	Product No.	Manufacturer	Description	λP(nm)	Vr	Package
28358	S2387-130R	HAMAMATSU	photodiode	960nm	30V	3.0*40mm



### FEATURES

- High sensitivity
- Low capacitance
- High reliability

### APPLICATIONS

- Analytical instruments
- Optical measurement equipment, etc

Part No.	Product No.	Manufacturer	Description	λP(nm)	Vr	Package
27141	S2387-66R	HAMAMATSU	photodiode	960nm	30V	Ceramic

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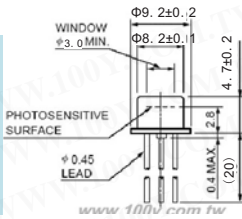
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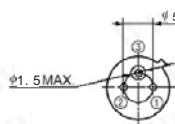
# OPTOELECTRONICS & INDICATORS

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## Photo Diode



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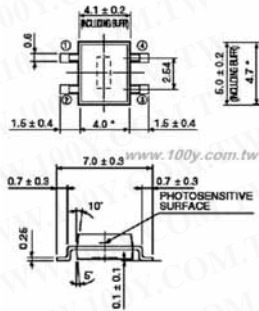
### FEATURES

- Stable operation at low bias
- High-speed response
- High sensitivity and low noise

### APPLICATIONS

- Spatial light transmission
- Rangefinder

Part No.	Product No.	Manufacturer	Description	λP(nm)	Δθ(deg)	Vr	Package
40564	S3884	HAMAMATSU	photodiode	800nm	5.0mm	150V	TO-5



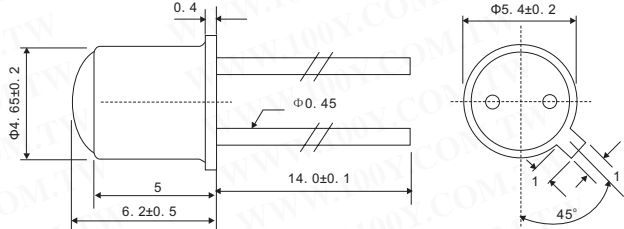
### FEATURES

- Excellent position detection resolution
- High reliability
- Thin, miniature plastic package
- Clear package passing wide wavelength range or visible-cut package reducing background light noise
- Surface mount package is available
- Suitable for high-speed, microscopic spot light: S7879, S8361
- High sensitivity in the red region: S8361
- High interelectrode resistance: S3271 to S3274-05 S7105-05 S5629-02

### APPLICATIONS

- Camera auto focus
- Range finder
- Optical proximity switch
- Displacement meter

Part No.	Product No.	Manufacturer	Description	λP(nm)	Vr	Package
27149	S4583-04	HAMAMATSU	PHOTO DIODE	960nm	20V	plastic



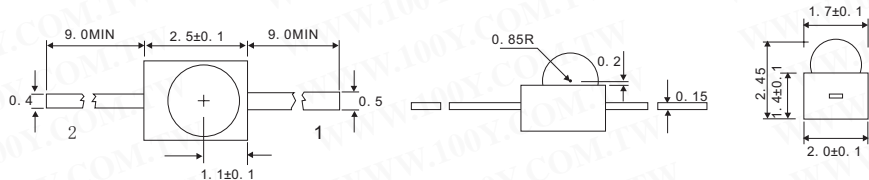
### FEATURES

- Narrow angular response
- Durable
- High reliability in demanding environments

### APPLICATIONS

- Optical counters
- Optical switches
- Infrared sensors
- Encoders
- Smoke detectors
- Car electronics

Part No.	Product No.	Manufacturer	Description	Open Circuit Voc	λP(nm)	Δθ(deg)	Vr	Package
18161	SP-1KL	KODENSHI	Photodiodes	0.4V	900	±15	20	TO-18

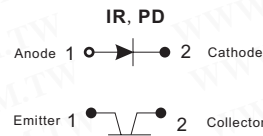
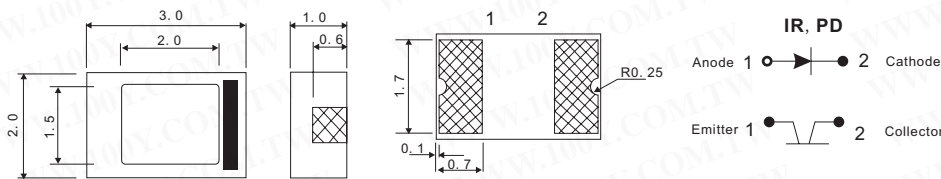


IR, PD  
1. Cathode  
2. Anode

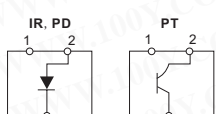
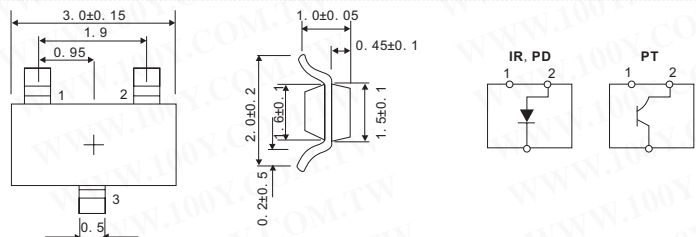
PT  
1. Collector  
2. Emitter



Part No.	Product No.	Manufacturer	Description	Open Circuit Voc	λP(nm)	Δθ(deg)	Vr	Package
10299	SY-10PD	SHIAN YIH	Photo Diode	0.35	900	±15	10V	Epoxy resin



Part No.	Product No.	Manufacturer	Description	Open Circuit Voc	λP(nm)	Δθ(deg)	Vr	Package
10285	SY-12PD	SHIAN YIH	Photo Diode	0.35	900	±50	10V	Ceramic Epoxy resin



Part No.	Product No.	Manufacturer	Description	Open Circuit Voc	λP(nm)	Δθ(deg)	Vr	Package
10292	SY-15PD	SHIAN YIH	Photo Diode	0.35	900	±70	10V	SOT-23



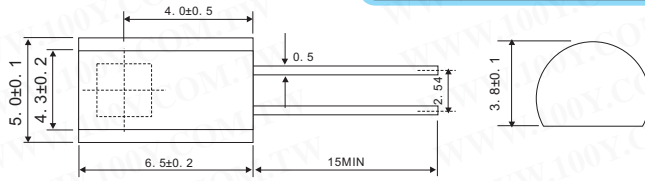
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## Photo Diode



### FEATURES

- High output and fast response
- Wide angle to receive lights
- High sensitivity in a wide range of wave length
- Peak wave length for filtered type is best
- match for infrared LED.
- High reliability

Part No.	Product No.	Manufacturer	Description	Open Circuit Voc	λP(nm)	△θ(deg)	Vr	Package
23987	SY-3572PD	SHIAN YIH	PHOTO DIODES	0.35V	900nm	+/-70	10V	Epoxy Resin
23988	SY-3572PDR	SHIAN YIH	PHOTO DIODE	0.35V	900nm	+/-60	10V	Epoxy Resin

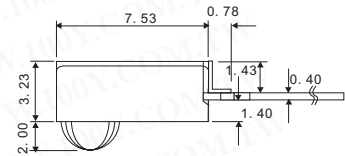
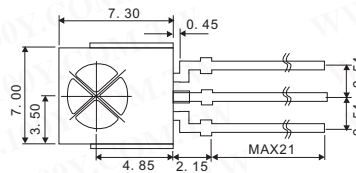
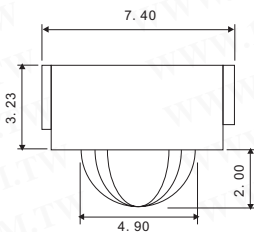


Part Number	Open Circuit Voltage	Short Circuit Current		Dark Current	
	Vop Typ. (V)	Ish Typ. (mA)	Ev (Lux)	ID Type (nA)	Vr (V)
SY-3573PD	0.35	70.0	1000	100	10



Part No.	Product No.	Manufacturer	Description	Open Circuit Voc	λP(nm)	△θ(deg)	Vr	Package
23989	SY-3573PD	SHIAN YIH	PHOTO DIODE	0.35V	900nm	+/-70	10V	Epoxy resin

## Optic Receiver Module



Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

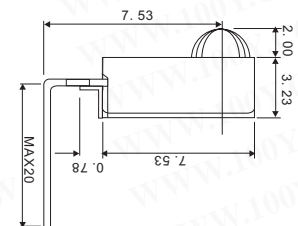
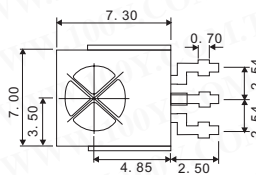
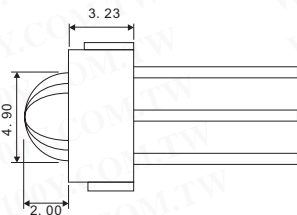
### FEATURES

- No external components except PIN diode
- Supply-voltage range: 4. 5V to 5. 5V
- Automatic sensitivity adaptation (AGC)
- Automatic strong signal adaptation (ATC)
- Enhanced immunity against ambient light disturbance
- TTL and CMOS compatible
- Suitable min. burst length ≥ 10 pulses/burst

### APPLICATION

- Audio video applications
- Home appliances
- Remote control equipment

Part No.	Product No.	Manufacturer	Description	Distance (M)	Supply Volt.	△θ(deg)	λP(nm)	Output From	Fo (Hz)
7892	FM-6038LM-5A	OPTOSENSOR	Optic Receiver Module For Infrared	10M	4.5~5.5V	±45	940nm	4.2V Active low	37.9kHz



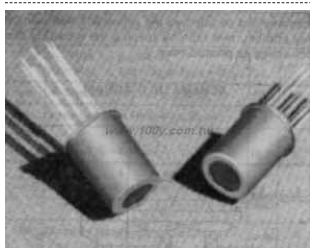
### FEATURES

- No external components except PIN diode
- Supply-voltage range: 2. 7V to 5. 5V
- Internal filter for PCM frequency
- Open collector output (built-in Pull-up resistor (40kΩ))
- Output active low
- Enhanced immunity against ambient light disturbance
- TTL and CMOS compatible
- No occurrence of disturbance pulses at output pin within nominal conditions
- Short settling time after power On. (below 1 msec)

### APPLICATION

- Audio video applications
- Home appliances
- Remote control equipment

Part No.	Product No.	Manufacturer	Description	Supply Volt.	Fo (Hz)
24032	FM6038TM2-5AN	OPTOSENSOR	Optic Receiver Module For Infrared	7V	37.9kHz



### FEATURES

- Focused Emitter and Detector in a single package
- High resolution-0. 190 mm spot size
- 700 nm visible emitter
- Lens filtered to reject ambient light
- TO-5 miniature sealed package
- Photodiode and transistor output
- Solid state reliability

### APPLICATIONS

Applications include pattern recognition and verification, object sizing, optical limit switching, techometry, textile thread counting and defect detection, dimensional monitoring, line locating, mark, and bar code scanning, and paper edge detection.

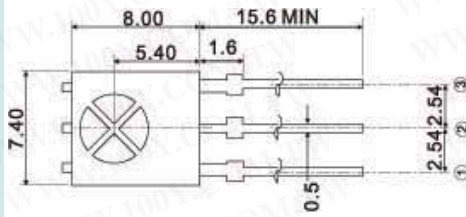
Part No.	Product No.	Manufacturer	Description	Distance (M)	Supply Volt.	λP(nm)
33241	HBCS-1100	Agilent	High Resolution Optical Reflective Sensor	0.51mm	20V	700nm





## Optic Receiver Module

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



- ① OUTPUT
- ② GND
- ③ VCC

Device No	Features	Supply voltage	Controlling Distance	Low Level Pulse Width (us)			High Level Pulse Width (us)		
		Vcc (V)	L typ (M)	Min	Typ	Max	Min	Typ	Max
IR001T5	Small type 3pin	4.5-5.5	35	480	600	720	480	600	720

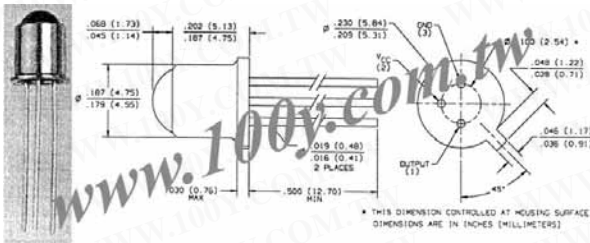
Part No.	Product No.	Manufacturer	Description	Distance (M)	Supply Volt.	$\Delta\theta$ (deg)	$\lambda P$ (nm)	Output From	Fo (Hz)
16268	IR-001T5	Haw Shuenn	Optic Receiver Module For Infrared	35M	4.5~5.5Vcc	$\theta 1/2 : 45^\circ$	940nm	TTL	38kHz



### Infrared Distance Measurement

- 5V Output signal
- 3 output modes
- Reliable optics
- Easy to use

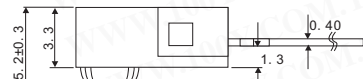
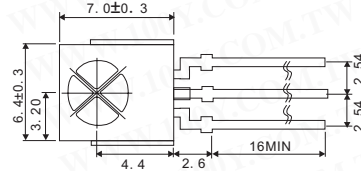
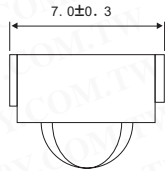
Part No.	Product No.	Description	Distance (M)	Supply Volt.	Output From
23921	IR-01-008A	Infrared Distance Measurement; Digital Infra-Red Ranging System Plus	10cm to 80cm	5Vdc	5V Output Signal



### FEATURES

- Four output options
- High noise immunity
- Direct TTL/LSTTL interface
- TO-18 hermetic package
- Mechanically and spectrally matched to the Op130 and Op230 series devices
- Two sensitivity options
- Data rate to 200 kBaud

Part No.	Product No.	Manufacturer	Description
36500	OPL810	OPTEK	Photologic Hermetic Sensor
36503	OPL810-OC	OPTEK	Photologic Hermetic Sensor



### FEATURES

- Miniature size
- Built-in exclusive IC
- Wide half angle & long reception distance
- Good noise-proof capability

- High immunity against ambient light
- High protection ability to EMI
- Back metal cover
- Size view
- Mesh

### APPLICATIONS

- AV instruments (Audio, TV VCR, CD player)
- Home appliances (Air-conditioner, Fan, Light)
- Remode control for wireless devices

Part No.	Product No.	Description	Distance (M)	Supply Volt.	$\Delta\theta$ (deg)	$\lambda P$ (nm)	Output From	Fo (Hz)
28352	PIC-428LM	Optic Receiver Module For Infrared	15M	5V	$\pm 45$	940nm	4.2V Active low	37.9kHz



### FEATURES

- Good noise-proof capability
- High immunity against ambient light
- Low power consume

### APPLICATIONS

Home appliances, Bauble control for wireless devices

Part No.	Product No.	Description	Distance (M)	Supply Volt.	$\Delta\theta$ (deg)	Fo (Hz)
16745	TL1838A2-K4	Optic Receiver Module For Infrared	15M	3V	$\pm 45$	38K



### FEATURES

- Photo detector and preamplifier in one package
- Internal filter for PCM frequency
- Improved shielding against electrical field disturbance
- TTL and CMOS compatibility
- Output active low

- Low power consumption
- High immunity against ambient light
- Continuous data transmission possible (up to 2400 bps)
- Suitable burst length  $\geq 10$  cycles/burst

Part No.	Product No.	Manufacturer	Description	Distance (M)	Supply Volt.	$\Delta\theta$ (deg)	$\lambda P$ (nm)	Output From	Fo (Hz)
32911	TSOP1736	VISHAY	Photo Modules for PCM Remote Control Systems	35M	6Vmax	$\pm 45$ deg	950	TTL/CMOS Compatibility	36 kHz





## Optic Receiver Module

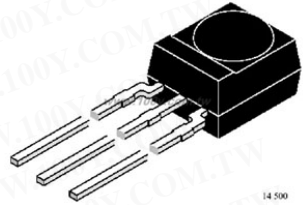
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



### FEATURES

- Photo detector and preamplifier in one package
- Internal filter for PCM frequency
- Improved shielding against electrical field disturbance
- TTL and CMOS compatibility
- Output active low
- Low power consumption
- High immunity against ambient light
- Continuous data transmission possible (up to 2400 bps)
- Suitable burst length  $\geq 10$  cycles/burst

Part No.	Product No.	Manufacturer	Description	Distance (M)	Supply Volt.	$\Delta\theta$ (deg)	$\lambda$ (nm)	Output From	Fo (Hz)
13424	TSOP1738	VISHAY	Photo Modules for PCM Remote Control Systems	35M	6Vmax	$\pm 45$ deg	950	TTL/CMOS Compatibility	38kHz



### FEATURES

- Photo detector and preamplifier in one package
- Internal filter for PCM frequency
- Improved shielding against electrical field disturbance
- TTL and CMOS compatibility
- Output active low
- Suitable burst length  $\geq 6$  cycles/burst

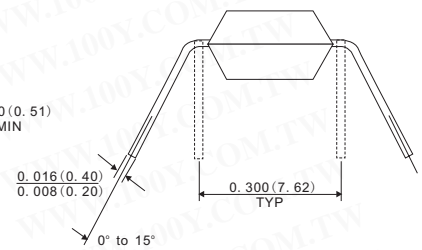
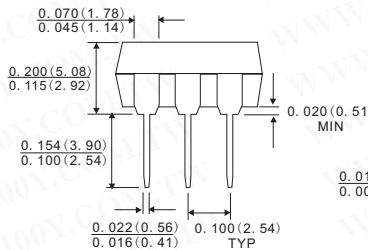
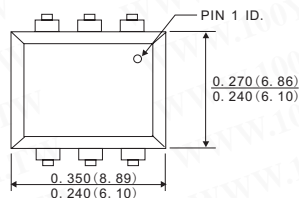
### SPECIAL FEATURES

- Small size package
- Enhanced immunity against all kinds of disturbance light
- No occurrence of disturbance pulses at the output
- Short settling time after power on ( $< 200\mu s$ )

Part No.	Product No.	Manufacturer	Description	Distance (M)	Supply Volt.	$\Delta\theta$ (deg)	$\lambda$ (nm)	Fo (Hz)
32910	TSOP1836	VISHAY	Photo Modules for PCM Remote Control Systems	35M	6Vmax	$\pm 45$ deg	950	36 kHz
32906	TSOP1838	VISHAY	Photo Modules for PCM Remote Control Systems	35M	6Vmax	$\pm 45$ deg	950	38 kHz

## IC Type Opto Isolators Transistor Output Optoisolators

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



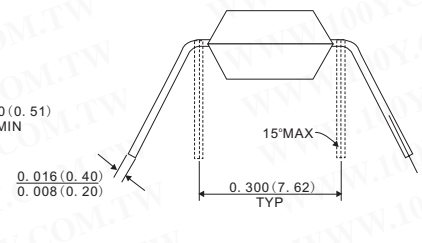
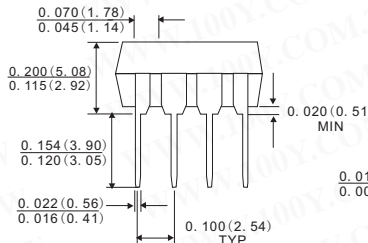
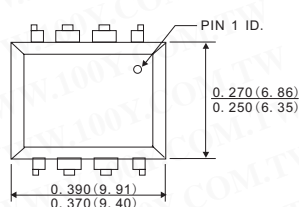
### FEATURES

- Also available in white package by specifying -M suffix, eg. 4N25-M
- UL recognized (File #E90700)
- VDE recognized (File #94766)
- Add option V for white package (e. g. , 4N25V-M)
- Add option 300 for black package (e. g. , 4N25.300)

### APPLICATIONS

- Power supply regulators
- Digital logic inputs
- Microprocessor inputs

Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Detector (Vceo)	Detector Iceo	CTR(%)	Isolation(Vrms)	Pins/Packing
29527	4N25	Fairchild	PHOTOTRANSISTOR OPTOCOUPLER	1.5V	100mA	30V	50nA	100%	5300V	6P/DIP
29535	4N25	MOTOROLA	PHOTOTRANSISTOR OPTOCOUPLER	1.5V	100mA	30V	50nA	100%	5300V	6P/DIP
31432	4N25	QTC	PHOTOTRANSISTOR OPTOCOUPLER	1.5V	100mA	30V	50nA	100%	5300V	6/DIP
7993	4N25	HARRIS	PHOTOTRANSISTOR OPTOCOUPLER	1.5V	100mA	30V	50nA	100%	5300V	6P/DIP
8004	4N26	QTC	PHOTOTRANSISTOR OPTOCOUPLER	1.25V	10mA	30V	10mA	20%	$\pm 1500V$	6P/DIP
8005	4N27	MOTOROLA	PHOTOTRANSISTOR OPTOCOUPLER	1.25V	10mA	30V	10mA	10%	$\pm 1500V$	6P/DIP
7994	4N35	Fairchild	PHOTOTRANSISTOR OPTOCOUPLER	1.5V	80mA	30V	50mA	100%	3550Vac	6P/DIP
19306	4N35-QTC	QTC	PhotoTransistor Optocoupler	1.2V	60mA	30V	100mA	40~100%	5300V	6P/DIP
14301	4N37	QTC	PHOTOTRANSISTOR OPTOCOUPLER	1.5V	100mA	30V	50nA	100%	5300V	6/DIP



### FEATURES

- High speed-1 MBit/s
- Superior CMR-10 kV/ $\mu s$
- Dual-Channel HCPL-2530/HCPL-2531
- Double working voltage-480V RMS
- CTR guaranteed 0-70°C
- U. L. recognized (File #E90700)

### APPLICATIONS

- Line receivers
- Pulse transformer replacement
- Output interface to CMOS-LSTTL-TTL
- Wide bandwidth analog coupling

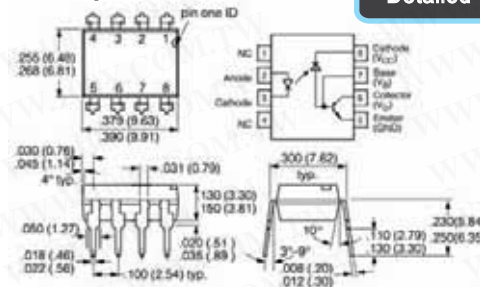
Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Detector (Vceo)	Detector Iceo	CTR(%)	Isolation(Vrms)	Pins/Packing
35706	6N135	Agilent	Single Channel, High Speed Optocouplers	1.5	25mA	15	16mA	18%	2500Vrms	8P-DIP
28038	6N135	Fairchild	1Mbits/S Middle Speed Optoisolators-1MBD TTL ISOLATOR	1.5	25mA	15	16mA	18%	2500Vrms	8P/DIP





## Transistor Output Optoisolators

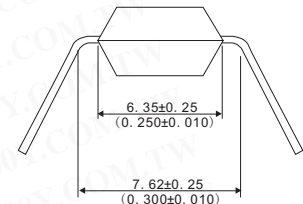
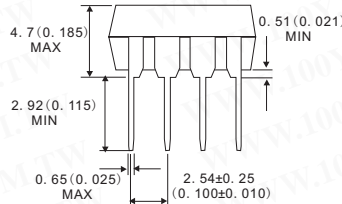
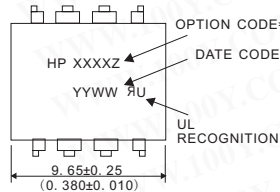
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



### FEATURES

- Isolation Test voltage: 5300V<sub>RMS</sub>
- TTL Compatible
- High bit rates: 1.0 Mbit/s
- High common-Mode interference immunity
- Bandwidth 2.0 Mhz
- Open-collector output
- External base wiring possible
- Field-effect stable by TRIOS\*
- Underwriters Lab file #E52744

Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Detector (Vceo)	Detector Iceo	CTR(%)	Isolation(Vrms)	Pins/Packing
4142	6N135	QTC	1Mbits/S Middle Speed Optoisolators-1MBD TTL ISOLATOR	1.5	25mA	15	16mA	18%	2500Vrms	8P/DIP



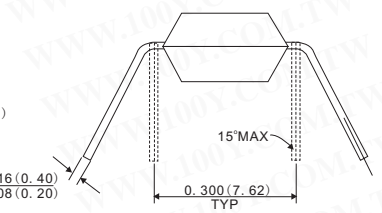
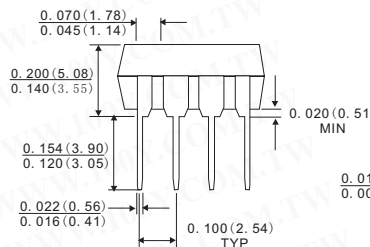
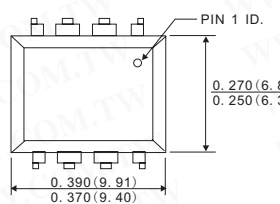
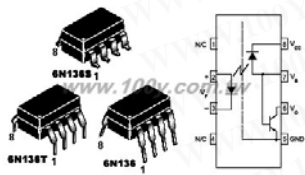
### FEATURES

- 15kV/μs Minimum common mode transient Immunity at V<sub>CM</sub>=1500V (4503/0453)
- High speed: 1Mb/s
- TTL Compatible
- Available in 8-Pin DIP, SO-8, Widebody packages
- Open collector output
- Guaranteed performance from temperature: 0°C to 70°C

### APPLICATIONS

- High voltage insulation
- Video signal Isolation
- Power transistor isolation in motor drives
- Line receivers
- Feedback element in switched mode power supplies
- High speed logic ground isolation-TTL/TTL, TTL/CMOS, TTL/LSTTL
- Replaces pulse transformers
- Replaces slow Phototransistor isolators
- Analog signal ground isolation

Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	CTR(%)	Pins/Packing
28414	6N136	Agilent	Single Channel, High Speed Optocoupler	1.5V	25mA	19%	8P/DIP



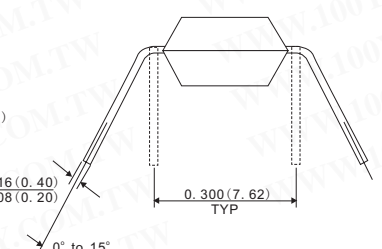
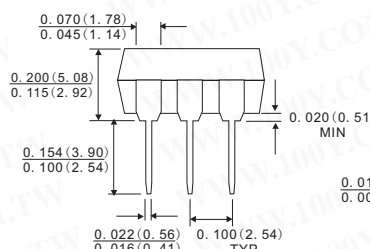
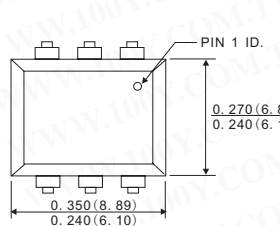
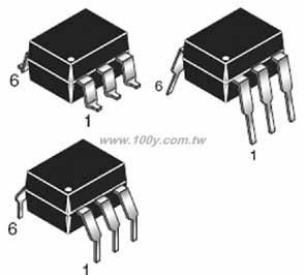
### FEATURES

- High speed-1 MBit/s
- Superior CMR- 10kV/μs
- Dual-channel HCPL-2530/HCPL-2531
- Double working voltage-480V RMS
- CTR guaranteed 0-70°C
- U. L. recognized (File #E90700)

### APPLICATIONS

- Line receivers
- Pulse transformer replacement
- Output interface to CMOS-LSTTL-TTL
- Wide bandwidth analog coupling

Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Detector (Vceo)	Detector Iceo	CTR(%)	Isolation(Vrms)	Pins/Packing
19307	6N136	Fairchild	1Mbits/S Middle Speed Optoisolators-1MBD TTL ISOLATOR	1.45V	25mA	15	16mA	30%	2500Vrms	8P/DIP
4143	6N136	QTC	1Mbits/S Middle Speed Optoisolators-1MBD TTL ISOLATOR	1.5	25mA	15	16mA	24%	2500Vrms	8P/DIP
29503	6N136S	Fairchild	Single Channel, High Speed Optocoupler	1.45V	25mA	15	16mA	30%	2500Vrms	8P/SMD



### APPLICATIONS

- Transmission line interface-receiver and driver
- Excellent as bridged receiver in fast LAN highways
- Bus interface
- Logic family interface with ground loop noise elimination
- High speed AC/DC voltage sensing
- Driver for power semiconductor devices
- Level shifting
- Replaces fast pulse transformers

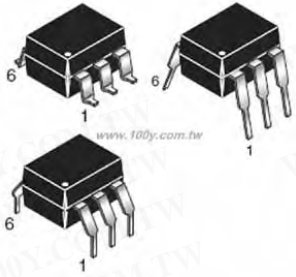






## Transistor Output Optoisolators

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

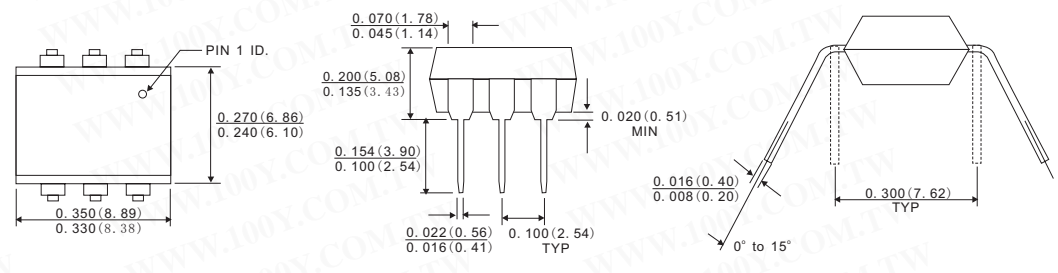
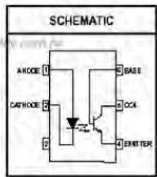


### FEATURES

- Industry first LSTTL to TTL and LSTTL to CMOS complete logic-to-logic optocoupler
- Incorporates LED drive circuitry—use as logic gate
- Very high speed
- Choice of buffer or inverter
- Choice of TTL or CMOS compatible output up to 15 volts
- Choice of 10 TTL loads, fan-in 1 LSTTL load
- Fan-out of 10 TTL loads, fan-in 1 LSTTL load
- Internal noise shield—very high CMR of  $\pm 15\text{kV}/\mu\text{S}$
- UL recognized (File #E90700)
- Same noise immunity as LSTTL/TTL



Part No.	Product No.	Manufacturer	Description
35388	74OL6011	Fairchild	HIGH-SPEED LOGIC-TO-LOGIC OPTOCOUPERS



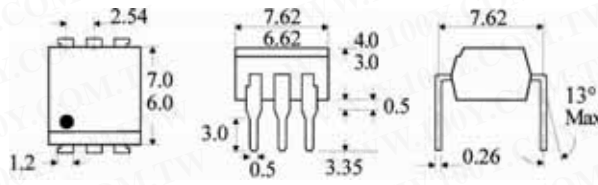
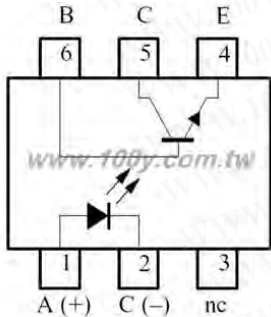
### FEATURES

- High output/input DC current transfer ratio
- VDE recognized (File #94766)
- Low saturation voltage
- UL recognized (File # E90700)

### APPLICATIONS

- Power supply regulators
- Appliance sensor systems
- Digital logic inputs
- Industrial controls
- Microprocessor inputs

Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Detector (Vceo)	Detector Iceo	CTR(%)	Isolation(Vrms)	Pins/Packing
32912	CNX35	VARTA	6-PIN PHOTOTRANSISTOR OPTOCOUPERS	1.15V	100 mA	30V	50nA	40~160%	5,300 Vrms	6P/DIP
32914	CNX36	VARTA	6-PIN PHOTOTRANSISTOR OPTOCOUPERS	1.15V	100 mA	30V	50nA	80~200%	5,300 Vrms	6P/DIP



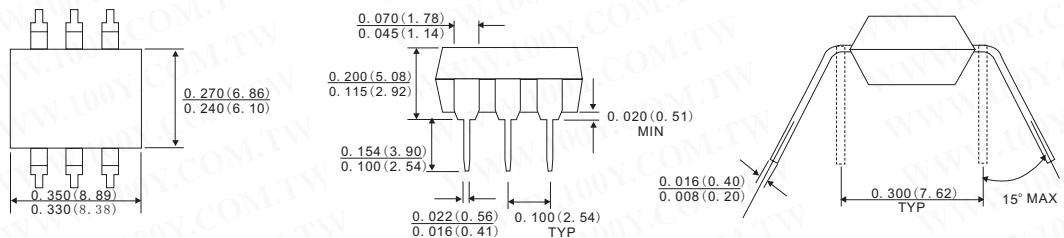
### APPLICATIONS

- DC motor controllers
- Industrial systems controllers
- Measuring instruments
- Signal transmission between systems of different potentials and impedances

### FEATURES

- 10mm lead spread—add G after part no. Surface mount—add SM after part no. Tape & reel—add SMT & R after part no.
- High  $BV_{CEO}$  (70V min)
- High isolation voltage (5.3kV<sub>RMS</sub>, 7.5KV<sub>PK</sub>)
- All electrical parameters 100% tested
- Custom electrical selections available

Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Detector (Vceo)	Detector Iceo	CTR(%)	Isolation(Vrms)	Pins/Packing
32919	CNY17-1X	ISOCOM	Optically coupled isolator phototransistor output	1.65 V	60mA	70V	50 nA	40~80%	5300Vrms	6P/DIP
22571	CNY17-2	Fairchild	Optocoupler with Phototransistor Output	1.6V	60mA	32V	10~200nA	63~125%	3.75kV	



### FEATURES

- High isolation voltage 5300 VAC RMS-1 minute, 7500VAC PEAK-1 minute
- High  $BV_{CEO}$  minimum 70 volts
- Maximum switching time in saturation specified
- Underwriter laboratory (UL) recognized file #E90700

### APPLICATIONS

- Power supply regulators
- Digital logic inputs
- Microprocessor inputs
- Appliance sensor systems
- Industrial controls

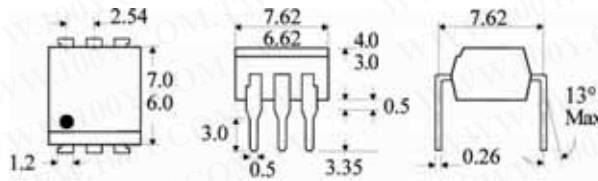
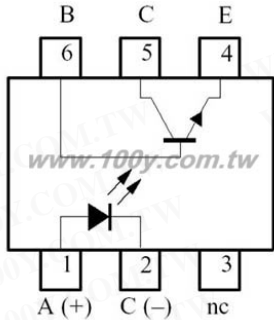
Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Detector (Vceo)	Detector Iceo	CTR(%)	Isolation(Vrms)	Pins/Packing
32075	CNY17-2.300	Fairchild	TRANS OUTPUT VDE	1.65V	60mA	70V	60mA	63~125%	5300Vdc	6P/DIP
8034	CNY17-2.300	QTC	TRANS OUTPUT VDE	1.65V	60mA	70V	60mA	63~125%	5300Vdc	6P/DIP
8033	CNY17-3	MOTOROLA	NPN phototransistor	1.45V	60mA	70V	50mA	100~200%	5300Vdc	6Pins/DIP





## Transistor Output Optoisolators

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



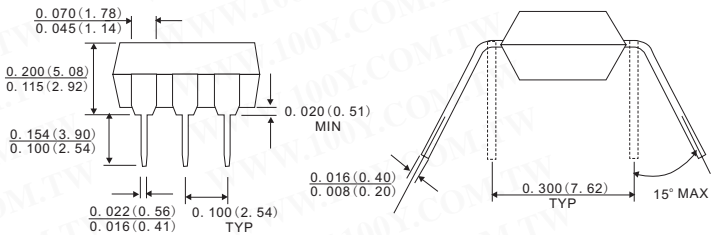
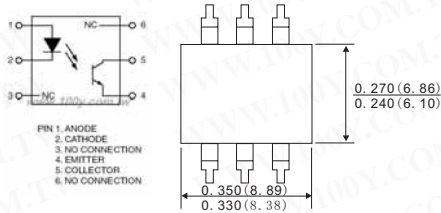
### APPLICATIONS

- DC motor controllers
- Measuring instruments
- Industrial systems controllers
- Signal transmission between systems of different potentials and impedances

### FEATURES

- 10mm lead spread-add G after part no.
- Surface mount-add SM after part no.
- Tape & reel-add SMT & R after part no.
- High  $V_{CE0}$  (70V min)
- High isolation voltage (5.3kV<sub>RMS</sub>, 7.5kV<sub>PK</sub>)
- All electrical parameters 100% tested
- Custom electrical selections available

Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Detector (Vceo)	Detector Iceo	CTR(%)	Isolation(Vrms)	Pins/Packing
32922	CNY17-3X	ISOCOM	OPTICALLY COUPLED ISOLATOR PHOTOTRANSISTOR	1.65 V	60mA	70V	50 nA	100~200%	5300Vrms	6P/DIP



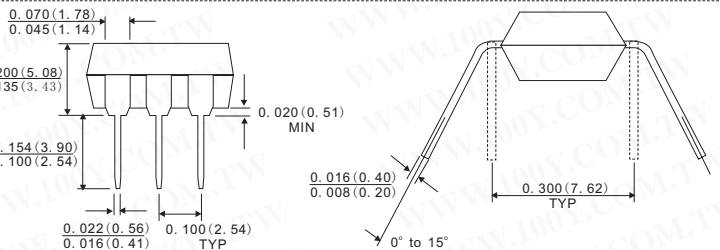
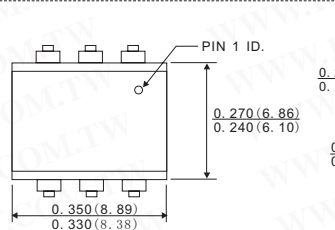
### FEATURES

- High isolation voltage 5300 VAC RMS-1 minute, 7500VAC PEAK-1 minute
- High  $V_{CE0}$  minimum 70 volts
- Maximum switching time in saturation specified
- Underwriter laboratory (UL) recognized file #E90700

### APPLICATIONS

- Power supply regulators
- Appliance sensor systems
- Digital logic inputs
- Industrial controls
- Microprocessor inputs

Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Detector (Vceo)	Detector Iceo	CTR(%)	Isolation(Vrms)	Pins/Packing
12242	CNY17-4.300	QTC	High isolation-NPN phototransistor	1.50V	90mA	70V	1mA	160~320%	5300V	6Pins/DIP
23902	CNY17F-2		OPTOCOUPERS FOR POWER SUPPLY APPLICATIONS	1.65mA	90mA	70 Min / 100Typ	50nA	63~125%	5300VAC	6P/SOIC



### FEATURES

The MOC810X and CNY17F-X devices consist of a gallium arsenide LED optically coupled to a silicon phototransistor in a dual-in-line package.

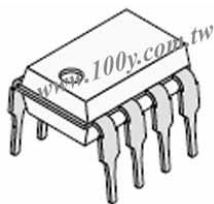
- Closely Matched Current Transfer Ratio (CTR) Minimizes Unit-to-Unit Variation
  - Narrow (CTR) Windows that Translate to a Narrow and Predictable Open Loop Gain Window
  - Very Low Coupled Capacitance along with No Chip to Pin 6 Base Connection for Minimum Noise Susceptibility
  - To order devices that are tested and marked per VDE 0884 requirements, the suffix ".300" must be included at the end of part number. e.g. MOC8101.300
- VDE 0884 is a test option.

### APPLICATIONS

- Switchmode Power Supplies (Feedback Control)
- AC Line/Digital Logic Isolation
- Interfacing and coupling systems of different potentials and impedances



Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Detector (Vceo)	Detector Iceo	CTR(%)	Isolation(Vrms)	Pins/Packing
29528	CNY17F-3	Fairchild	OPTOCOUPERS FOR POWER SUPPLY APPLICATIONS	1.45V	60mA	70V	50mA	100~200%	5300Vdc	6P/DIP



Multichannel Optocoupler with Phototransistor Output



Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Detector (Vceo)	Detector Iceo	CTR(%)	Pins/Packing
39606	CNY74-2	TEMIC	Multichannel Optocoupler with Phototransistor Output	7V	50mA	70V	100nA	100%	DIP/8P

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**Centenary Materials**

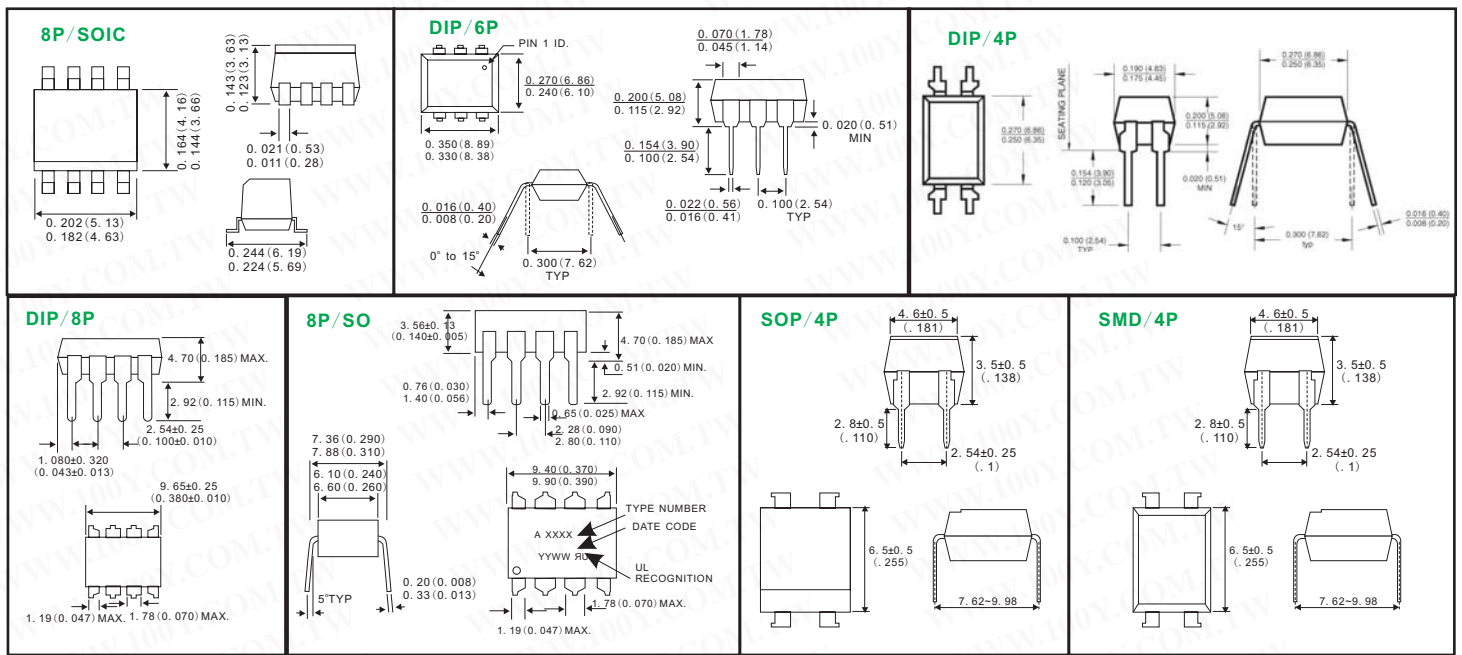
Waiting for your phone call





## Transistor Output Optoisolators

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Detector (Vceo)	Detector Iceo	CTR(%)	Isolation(Vrms)	Pins/Packing
28311	FOD2742AV	Fairchild	Optically Isolated Error Amp.	1.2V		120V	50nA	140%	2500Vrms	8P/SOIC
8068	H11A1	MOTOROLA	Phototransistor Output-High isolation	1.2	60mA	30V	50mA	50%	5.3kVrms	6Pins/DIP
22582	H11A817B300W	Fairchild	4-PIN PHOTOTRANSISTOR OPTOCOUPLED ISOLATORS	1.2~1.5V	50mA	35V	100nA	130-260%	5300Vac	4P/DIP
33222	H11AA1	ISOCOM	A.C. INPUT PHOTOTRANSISTOR OPTICALLY COUPLED ISOLATORS	1.5V	±100mA	30V	100nA	20	5300Vrms	6P/DIP
22583	H11AV1	QTC	6-Pin DIP Optoisolators Transistor Output	0.8~1.5V	60mA	70~100V	50nA	IC/IF x 100%.	6V	6P/DIP
33224	H11AV1X	ISOCOM	OPTICALLY COUPLED ISOLATOR PHOTOTRANSISTOR OUTPUT	1.5 V	60mA	70V	50 nA	300%	5300Vrms	6P/DIP
32054	H11L1	Fairchild	OPTOISOLATORS LOGIC OUTPUT	1.5V	60Ma					6P/DIP
32003	H11N1	Fairchild	HIGH SPEED LOGIC OPTOCOUPLED ISOLATORS	2V	30mA					DIP
33292	HCPL-3700	Agilent	AC/DC to Logic Interface Optocouplers	2.6~4.9V	1.3~2.5mA	20V	30mA		2500 Vrms	8P/SO
33293	HCPL-3760	Agilent	AC/DC to Logic Interface Optocouplers	2.6~4.9V	0.6~1.2mA	20V	30mA		2500 Vrms	8P/SO
29536	HCPL-4503	HP	Single Channel, High Speed Optocouplers	1.5V	25mA			15%	2500Vac rms	8P/DIP
33297	HCPL-4506	Agilent	Intelligent Power Module and Gate Drive Interface Optocouplers	1.5V	25 mA			>44%	2500 Vrms	8-Pin DIP
33301	HCPL-4562	Agilent	High Bandwidth, Analog/Video Optocouplers	1.3V	12mA	20V	8mA			8-Pin DIP
40662	HMHA281	Fairchild	HALF PITCH MINI-FLAT PACKAGE 4-PIN OPTOCOUPLED ISOLATORS	1~1.3V	50mA	80V	100nA	50-600%	2500V	HALF PITCH MINI-FLAT 4-PIN
16246	ILD2	Infineon	Phototransistor Optocoupler	1.65V	50mA	70V	50nA	100~500%	5300VRMS	8P/DIP
27201	ILQ2	Infineon	OPTOCOUPLED ISOLATOR	6V	60 mA	70V	50 mA	100-500%	5300V	16P/DIP
30674	ILQ32	VISHAY	OPTOCOUPLED ISOLATOR	3V	60 mA	30V	125 mA	>500%	5300V	16P/DIP
29057	LTV-817	LITE-ON	Transistor Output Optocoupler	1.2V	50mA	50mA	35V	130-260%	5000Vrms	4P-SOP
19327	LTV-817C	LITE-ON	Transistor Output Optocoupler	1.2V	50mA	35V	50mA	200~400%	5000Vrms	4P-DIP
19328	LTV-817S-C	LITE-ON	Transistor Output Optocoupler	1.2	50mA	35	50mA	200~400%	5000Vrms	4P-SMD
13423	LTV702VA	LITE-ON	High Collector-Emitter Volt. Type	1.50V	90mA	100V	50mA	40~320%	5000Vrms	6P/DIP
40248	MCT2E	Fairchild	PHOTOTRANSISTOR OPTOCOUPLED ISOLATOR			30V	50mA	20%		6P/DIP
8067	MCT2E	Fairchild	Phototransistor Out.			30V		20%	5.3kVrms	6P/DIP
16619	MCT5211	Fairchild	AlGaAs LED/ Phototransistor	1.5V	50mA	70V	100nA	110% min	5300V	6P/DI P
16572	MCT6	Fairchild	DUAL PHOTOTRANSISTOR OPTOCOUPLED ISOLATORS	1.5V	60mA	30V	100nA	20% min	5300V	8P/DIP
17945	MOC8020	Fairchild	PHOTODARLINGTON OPTOCOUPLED ISOLATORS	2V	60mA	50V	100nA	500%	5300	6P/DIP
17944	MOC8101	SIEMENS	No Base Connection Phototransistor Optocoupler	1.25V	60mA	30V	1.0nA	50~80%	5300Vrms	DIP-6P
29477	MOC8103	SIEMENS	No Base Connection Phototransistor Optocoupler	1.25V	60mA	30V	1.0nA	108-173%	5300	DIP-6P
8073	MOC8204	MOTOROLA	High Voltage Transistor Output	1.5V	10mA	400V	0.5mA	20%		6Pins/DIP
193 40	PC123FY-2	SHARP	European Safety Standard Approved type Long Creepage Distance Photocoupler	1.2V	50mA	70V	5-12.5mA		5kV	DIP
19341	PC357N1T	SHARP	Photocoupler	1.2V	50mA	80V	50mA		3.75kV	Mini-flat Package
19342	PC357N2T	SHARP	SMD Trans. Output Photocoupler	1.2V	50mA	35V	50mA	50~600% min	3750Vrms	Mini-flat

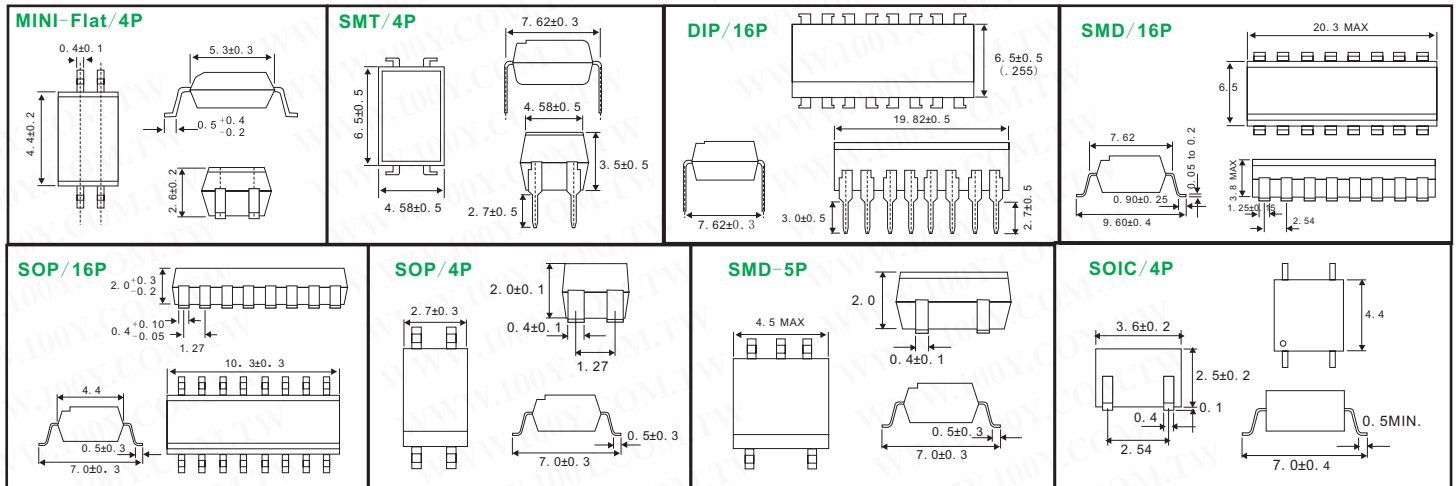




# OPTOELECTRONICS & INDICATORS

## Transistor Output Optoisolators

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Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Detector (Vceo)	Detector Iceo	CTR(%)	Isolation(Vrms)	Pins/Packing
28921	PC357N2TJ00F	SHARP	SSOP Trans. Output Photocoupler	1.2V	50mA	35V	50mA	50~600% min	3750Vrms	Mini-flat
11304	PC357NT	SHARP	SMD Trans. Output Photocoupler	6Vr	50mA	35V	50mA	50~600% min	3750Vrms	4P/Mini-flat ( SMT)
40881	PC367N2TJ00F	SHARP	Low Input Current Type Photocoupler	6Vr	10mA			200~400%	3750Vrms	4P/Mini-flat
40883	PC3Q711NIP0F	SHARP	SMD Trans. Output Photocoupler					200~500%		
40104	PC417	SHARP	Compact, Surface Mount Ultra-high Speed Response OPIC Photocoupler	1.97V	16mA	5V	2	60%	5V	Mini-flat package
42755	PC714V	SHARP	High Isolation Voltage Type, General Purpose Photocoupler	1.2V	50mA	35V	MAX. 10 - 7A at VCE = 20V	50 to 600%		DIP-6
29041	PC817A	SHARP	Transistor Output	1.2V	50mA	35V	50mA	80~160%	5000Vrms	4P-DIP
19344	PC817B	SHARP	Transistor Output	1.2V	50mA	35V	50mA	130~260%	5000Vrms	4P-DIP
41508	PC817C	SHARP	High Density Mounting Type Photocoupler	1.4V	20mA	35V	50mA	200 to 400	5000Vrms	4P/DIP
4109	PC817CX3	SHARP	Transistor Output	1.2	50mA	35	50mA	200~400%	5000Vrms	4P/DIP
22796	PC817X1	SHARP	High Density Mounting Type Photocoupler	50mA	1.2~1.4V				5kV	4P/DIP
22800	PC817X2	SHARP	High Density Mounting Type Photocoupler	50mA	1.2~1.4V				5kV	4P/DIP
32644	PC817X3NSZW	SHARP	Photocoupler Transistor Output	1.2	50mA	35	50mA	300~600%	5000Vrms	4P/DIP
39502	PC817X4J000F	SHARP	DIP 4P General Purpose Photocoupler							4P/DIP
17675	PC817XI	SHARP	High Density Mounting Type Photocoupler	1.2V	50mA	35	50mA	200~400%	5000Vrms	4P-SMT
40443	PC817X14	SHARP	General Purpose Photocoupler	1.2V	50mA	80	50mA	50~600%	5000Vrms	4P-SMT
19353	PC817XP	SHARP	Photocoupler Photocoupler	1.2V	50mA	35V	50mA	200~400%	5000Vrms	SMD
14569	PC827	SHARP	High Density Mounting Type Photocoupler	1.4V	50mA	35	100nA	50~600%	5000Vrms	8P/DIP
4106	PC847XJ0000F	SHARP	High isolation-Transistor Output	1.2V	50mA	35V	50mA	120%	5000Vrms	16P/DIP
17676	PC910	SHARP	Ultra-high Speed Response OPIC Photocoupler	1.6V	20mA	5.5V			2500	8P/DIP
13330	PS2501-1	NEC	High Isolation Volt. Photocoupler	1.4V	80mA	80V	50mA	80~600%	5000 Vr.m.s.	4P/DIP
23948	PS2501-2	NEC	High Isolation Volt. Photocoupler	1.4V		80V		80~600%	5000 Vr.m.s.	8P-DIP
13266	PS2501-4	NEC	High Isolation Volt. Photocoupler	1.4V	80mA	80V	50mA	80~600%	5000 Vr.m.s.	16P-DIP
20582	PS2501L-1-E3	NEC	High Isolation Volt. Photocoupler	1.4V	80mA	80V	50mA	200~400%	5000 Vr.m.s.	SMD-4P
17179	PS2502-1	NEC	High Isolation Volt. Photocoupler	1.4V	80mA	40V	400nA	200% min	5000V	DIP-4P
16847	PS2502-4	NEC	High Isolation Volt. Photocoupler	1.4V	80mA	40V	400nA	200% min	5000V	DIP-16
17178	PS2502L-1	NEC	High Isolation Volt. Photocoupler	1.4V	80mA	40V	400nA	200% min	5000V	SMD-4P
17177	PS2502L-4	NEC	High Isolation Volt. Photocoupler	1.4V	80mA	40V	400nA	200% min	5000V	SMD-16 (Lead Bending)
41078	PS2561-1-V-A(L)	NEC	High Isolation Volt. Photocoupler (Pb Free)	1.17V	80mA	80V	100nA	200~400%	5000V	4P-DIP
39543	PS2801-1	NEC	Photocoupler	6V	50mA	80V	50mA			4P/SOP
39547	PS2801-4	NEC	Photocoupler	6V	50mA	80V	50mA			16P/SOP
39725	PS2802-1	NEC	Photocoupler	6V	50mA	40V	90mA	200	6V	4P/SOP
39721	PS2802-4	NEC	Photocoupler	6V	50mA	40V	100mA	200	6V	SOP/16P
28594	PS8701	NEC	HIGH NOISE REDUCTION HIGH-SPEED ANALOG OUTPUT TYPE PHOTOCOUPLER			35V	8.0mA	20%	2500Vr.m.s.	5P/SMD
35223	SFH6156-2T	VISHAY	Optocoupler, High Reliability, 5300 VRMS	6V	60mA	7V	100mA	CTR 63 - 125 %	5300v	SMD-4
35235	SFH615A-2	Infineon	Optocoupler, High Reliability, 5300 VRMS	6V	60mA	7V	100mA	CTR 63 - 125 %	5300V	DIP-4
42750	SFH617A-3	VISHAY	Optocoupler, High Reliability, 5300 VRMS	1.25V	60mA	70 V	5.0nA	CTR 100 - 200 %	5300 VRMS	DIP-4
23959	TCDT1122G		Optocoupler with Phototransistor Output	1.6V	50mA		150nA	1.25%	400Vrms	6P/DIP
15327	TIL113	Fairchild	Optocoupler-Transistor Output	1.5V	100mA	30V	100nA	30~300%(Min)	5300V	6P/DIP
15329	TIL117	Fairchild	Optocoupler-Transistor Output	1.4V	100mA	30V	50nA	50%	5300V	6P/DIP
33214	TL281-4	TOSHIBA	TOSHIBA Photocoupler GaAs Ired & Photo?Transistor	1.15V	50mA	80V				16P/SOP
17688	TLP124BV	TOSHIBA	Transistor Output Optoisolators		1mA	0.5		1200	3750	SMD-4P
15895	TLP181GB	TOSHIBA	PHOTO-TRANSISTOR	1.3V	50mA	80V	50mA	50~600%	3750Vrms	4P/SOIC
23406	TLP181GB	TOSHIBA	PHOTO-TRANSISTOR	1.3V	50mA	80V	50mA	50%	3750	4P/SOIC



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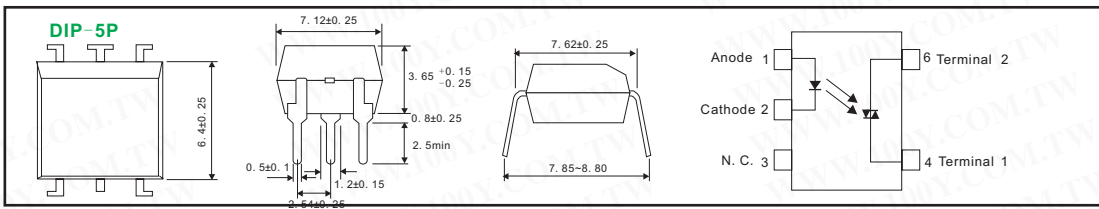
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# OPTOELECTRONICS & INDICATORS

## Transistor Output Optoisolators

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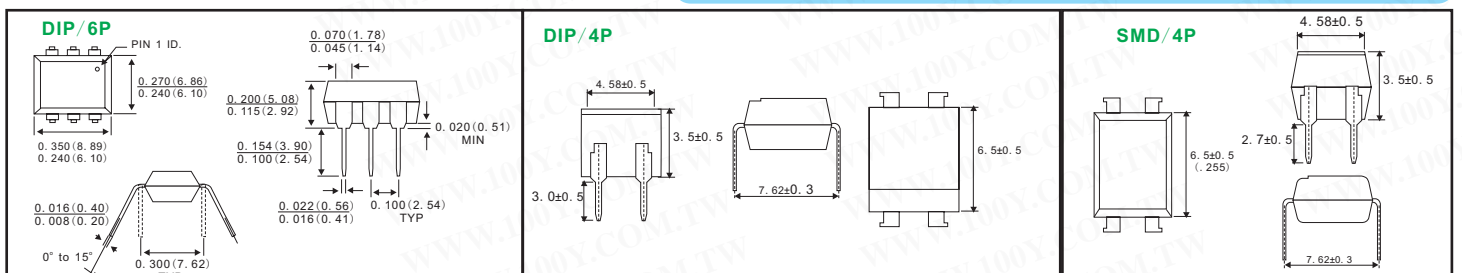


**TOSHIBA**

Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Detector (Vceo)	Detector Iceo	CTR(%)	Isolation(Vrms)	Pins/Packing
15983	TLP250	TOSHIBA	IGBT/MOSFET Gate Drive Opto-Isolator	1.8V	20mA	35V	1.5A	60%	2500V	8P/DIP
23706	TLP251	TOSHIBA	Power MOS FET Gate Drive Power MOS FET Gate Drive IGBT Gate Drive	1.8V	20MA	35V			2500Vrms	8P/DIP
38429	TLP2631	TOSHIBA	TOSHIBA Photocoupler GaAs Ired & Photo IC						2500V	8P/DIP
33213	TLP281	TOSHIBA	TOSHIBA Photocoupler GaAs Ired & Photo?Transistor	1.15V	50mA	80V				4P/SOP
41436	TLP3526	TOSHIBA	TOSHIBA Photocoupler GaAs Ired & Photo IC						2500V	DIP/16P
33212	TLP504A	TOSHIBA	TOSHIBA Photocoupler GaAs Ired & Photo?Transistor	1.15V	60mA	55V				8P/DIP
42988	TLP521-1-GB	TOSHIBA	PHOTO-TRANSISTOR	1.3V	70mA	55V	100nA	100~300%	2500Vrms	4P/DIP
15318	TLP521-1-GR	TOSHIBA	Transistor Output	1.3V	70mA	55V	100nA	100~300%	2500Vrms	4P/DIP
15319	TLP521-2	TOSHIBA	Quad Trans. Output	1.3V	50mA	55V	100nA	50~600%	2500Vrms	8P/DIP
42994	TLP521-2-GB	TOSHIBA	PHOTO-TRANSISTOR	1.3V	50mA	55V	100nA	50~600%	2500Vrms	8P/DIP
12097	TLP521-4	TOSHIBA	Quad Trans. Output	1.3V	50mA	55V	100nA	50~600%	2500Vrms	16P/DIP
33183	TLP523	TOSHIBA	TOSHIBA Photocoupler GaAs Ired & Photo?Transistor	150mA	60mA	55V		2000%	2500AC	4P/DIP
33187	TLP523-2	TOSHIBA	TOSHIBA Photocoupler GaAs Ired & Photo?Transistor	1.15V	50mA		55V	2000%	2500AC	8P/DIP
20242	TLP523-4	TOSHIBA	TOSHIBA Photocoupler GaAs Ired & Photo?Transistor	1.15V	50mA	55V		2000	2500AC	16P/DIP
38357	TLP541G	TOSHIBA	TOSHIBA Photocoupler GaAs Ired & Photo-Thyristor	1.15V	70mA				2500V	6P/DIP
38356	TLP550	TOSHIBA	TOSHIBA Photocoupler Infrared LED + Photo IC	1.65V	25mA				2500V	8P/DIP
40005	TLP559	TOSHIBA	TOSHIBA Photocoupler GaAs Ired & Photo IC						2500	8P/DIP
16100	TLP560G	TOSHIBA	PHOTO-TRANSISTOR	3V	100mA	400V	10mA		2500Vrms	5P/DIP
39929	TLP598G	TOSHIBA	TOSHIBA Photocoupler Photo Relay	400v	30mA					DIP/6P
38358	TLP620-2	TOSHIBA	PROGRAMMABLE CONTROLLERS AC/DC-INPUT MODULE TELECOMMUNICATION	1.15V	50mA	55V			5000V	8P/DIP
14532	TLP621	TOSHIBA	PHOTO-TRANSISTOR	1.3V	60mA	55V	10nA	50~600%	5000V	4P/DIP
29379	TLP621-2	TOSHIBA	PHOTO-TRANSISTOR	1.3V	60mA	55V	10nA	50~600%	5000V	8P/DIP
33219	TLP624		LOW INPUT CURRENT							4P/DIP
37168	TLP626-1	TOSHIBA	PROGRAMMABLE CONTROLLERS AC/DC-INPUT MODULE TELECOMMUNICATION	±0.7V	60MA	55V	50MA	200%	5000V	DIP/4P
37433	TLP626-2	TOSHIBA	PROGRAMMABLE CONTROLLERS AC/DC-INPUT MODULE TELECOMMUNICATION	±0.7V	50MA	55V	50MA	200%	5000V	DIP/8P
37167	TLP626-4	TOSHIBA	PROGRAMMABLE CONTROLLERS AC/DC-INPUT MODULE TELECOMMUNICATION	±0.7V	50MA	55V	50MA	200%	5000V	DIP/16
18051	TLP627	TOSHIBA	PHOTO-TRANSISTOR	1.15V	16mA	300V	10nA	1000~4000%	50000V	4P/DIP
32989	TLP627-2	TOSHIBA	PHOTO-TRANSISTOR							8P/DIP
32991	TLP627-4	TOSHIBA	PHOTO-TRANSISTOR							16P/DIP
32995	TLP628	TOSHIBA	PHOTO-TRANSISTOR							4P/DIP
32998	TLP628-2	TOSHIBA	PHOTO-TRANSISTOR							8P/DIP
32999	TLP628-4	TOSHIBA	PHOTO-TRANSISTOR							10P/DIP
16099	TLP721	TOSHIBA	PHOTO-TRANSISTOR	1.3V(max.)	60mA	55V	50mA	50~600%	4000V	4P/DIP
33218	TLP734	TOSHIBA	TOSHIBA Photocoupler GaAs Ired & Photo?Transistor	1.15V	60mA	55V				6P/DIP

## AC Input Optoisolators

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Detector Iceo	Detector Vceo	CTR(%)	Isolation(Vrms)	Pins/Packing
27176	BRT23-H	Infineon	SITACO AC Switches Without Zero Voltage							DIP/6P
40990	OPI1264A	OPTEK	OPTICALLY COUPLED ISOLATORS	1.6A	20mA	200nA	30V	50-125%	2V	



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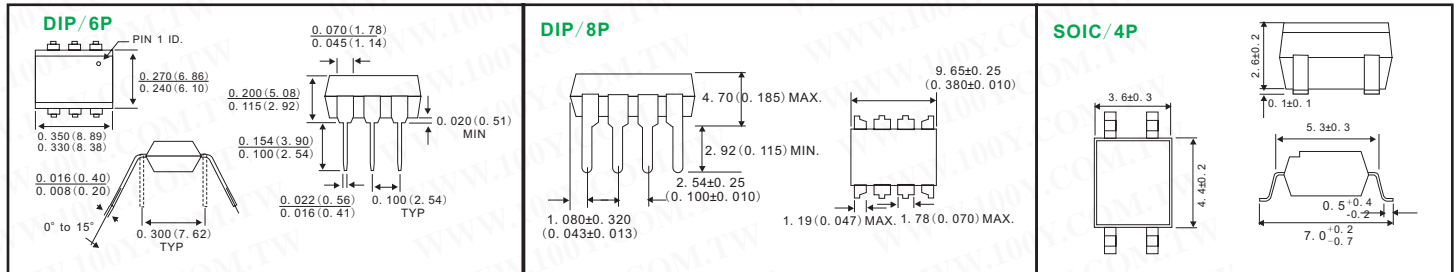
## AC Input Optoisolators

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Detector I <sub>ceo</sub>	Detector V <sub>ceo</sub>	CTR(%)	Isolation(Vrms)	Pins/Packing
34383	OPI1264B	OPTEK	OPTICALLY COUPLED ISOLATORS	1.6A	20mA	200nA	30v	50-125%	2V	
8095	PC814	SHARP	High isolation-AC Input Optoisolators	1.4V	50mA	100nA	35V	20~300%	5000V	4P/DIP
19343	PC814A	SHARP	AC Input Photocoupler	1.2V	+50mA	50mA	35V	20~300%	5000V	4P/DIP
39403	PC814XP1J00F	SHARP	High isolation-AC Input Optoisolators	1.2V	50mA	100nA	80V	20~300%	5000V	4P/SMD

## Darlington Output Optoisolators

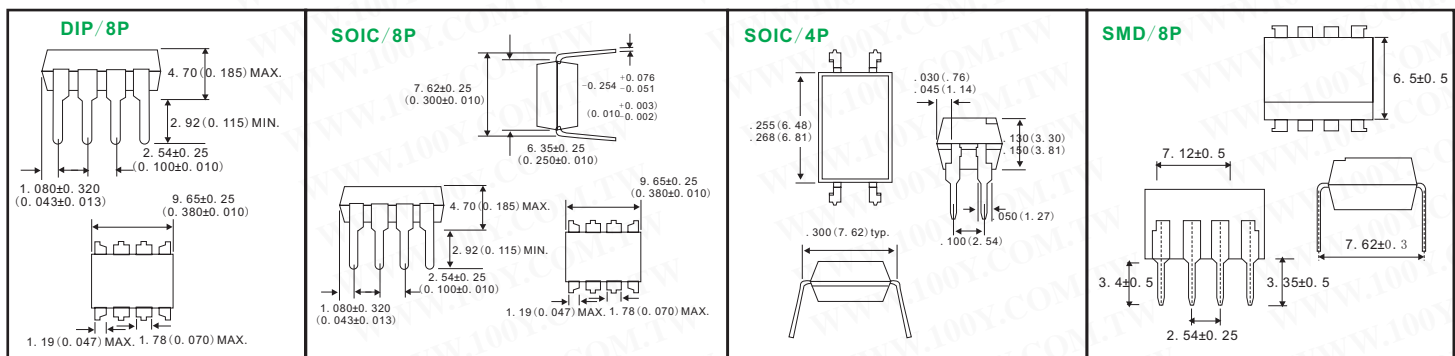
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Part No.	Product No.	Manufacturer	Description	CTR(%)	Detector I <sub>c</sub>	Detector V <sub>ceo</sub>	Emitter I <sub>f</sub>	Emitter V <sub>f</sub>	Isolation(Vrms)	Pins/Parking
35795	4N	VISHAY	Optocoupler, Photodarlington Output, High Gain, With Base Connection	500%		30V	60mA			6P-DIP
35803	4N25	IR	Industry Standard Single Channel 6 Pin DIP Optocoupler	20%	50nA	30V	100mA	1.5V	5300V	6P/DIP
7995	4N32	Fairchild	High CTR-PHOTODARLINGTON OUTPUT	500%	150mA	30V	60mA	1.2V	2500AC	6P-DIP
8006	4N33	Fairchild	High CTR-Darlington Output	500%	50mA	10V	10mA	1.5V	7500V	6P/DIP
35801	4N35	VISHAY	Industry Standard Single Channel 6 Pin DIP Optocoupler	100%	50nA	30V			5300V	6P/DIP
35797	4N38	VISHAY	Industry Standard Single Channel 6 Pin DIP Optocoupler	10%	50nA	80V			5300V	6P/DIP
35698	6N138	HP	Low Input Current, High Gain Optocouplers	300% min	60mA	7	20mA	1.7V	5300Vrms	8P/DIP
4140	6N138	QTC	High Sensitivity, High Speed *OPIC Photocoupler	300% min	60mA	7	20mA	1.7V	5300Vrms	8P/DIP
4141	6N139	Fairchild	High Sensitivity, High Speed * OPIC Photocoupler	400% min	60mA	18	20mA	1.7V	2500V	8P/DIP
16301	H11B1	QTC	Darlington Output-PHOTODARLINGTON OUTPUT	500% min	100mA	25V	60mA	1.5V max	5300 Vrms	6P/DIP
35443	H11G1	Fairchild	HIGH VOLTAGE PHOTODARLINGTON OPTOCOUPLES	100mA(1000%)	100nA	100V	60mA	1.3V	5300Vrms	6P/DIP
18057	H11G1	QTC	High Volt.Darlington	100mA(1000%)	100nA	100V	60mA	1.3V	5300Vrms	6P/DIP
33234	H11G2	ISOCOM	HIGH VOLTAGE DARLINGTON OUTPUT OPTICALLY COUPLED ISOLATOR	1000%	100 mA	80V	60mA	1.5 V	5300Vrms	6P/DIP
8035	H11G3	QTC	High Volt.Darlington	200%	100mA	55V	60mA	1.2V	3750Vrms	6P/DIP
23956	PC452	SHARP	Darlington phototransistor			350V	10mA	1.4V	3.75kV	4P/SOIC
34452	PS2502-2	NEC	High Isolation Volt. Photocoupler	80-600%	50mA	80V	10mA	1.4V	5000AC	8P/DIP
16597	PS2831-4	NEC	Output Darlington-Transistor Optocoupler		120mA				3750Vac	

## High Speed Optoisolators

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Part No.	Product No.	Manufacturer	Description	Detector I <sub>c</sub>	Detector V <sub>ceo</sub>	Emitter I <sub>f</sub>	Emitter V <sub>f</sub>	Isolation(Vrms)	Pins/Parking
5380	6N137	Fairchild	High CMR, High Speed TTL Compatible Optocouplers	50mA	7	20mA	1.5	2500Vrms	8P/DIP
33245	HCNW139	Agilent	Low Input Current, High Gain Optocouplers		18 V	0.5 mA	0.8V	5000Vrms	8P/DIP
23865	HCNW4502	Agilent	Single Channel, High Speed 1Mb/s Optocoupler			1A	1.68V	3750Vrms	8P/DIP
33249	HCPL-0201	Agilent	Very High CMR, Wide Vcc Logic Gate Optocouplers	25mA	20V	5mA	1.7V	2500Vrms	8P/SO
33251	HCPL-0501	Agilent	Single Channel, High Speed Optocouplers	16mA		25mA	1.5V	2500Vrms	8P/SO
33253	HCPL-0530	Agilent	Agilent Dual Channel, High Speed Optocouplers	16mA		25mA	1.5V	2500Vrms	8P/SO





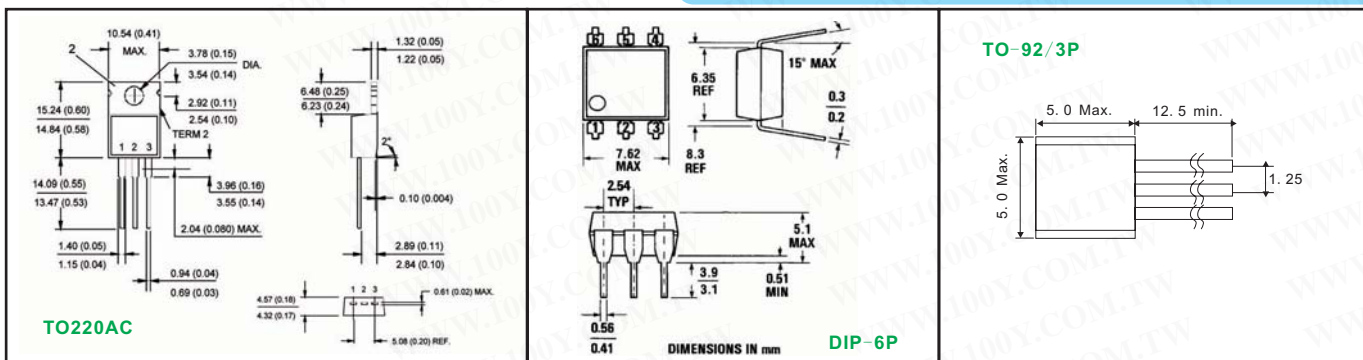
## High Speed Optoisolators

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

Part No.	Product No.	Manufacturer	Description	Detector Ic	Detector Vceo	Emitter If	Emitter Vf	Isolation(Vrms)	Pins/Parking
33255	HCPL-0531	Agilent	Agilent Dual Channel,High Speed Optocouplers	16mA		25mA	1.5V	2500Vrms	8P/SO
33258	HCPL-0600	Agilent	High CMR, High Speed TTL Compatible Optocouplers	50mA	7V	20mA	15.V	2500Vrms	8P/SO
33267	HCPL-0601	Agilent	High CMR, High Speed TTL Compatible Optocouplers	50mA	7V	20mA	1.5V	2500Vrms	8P/SOIC
33268	HCPL-0630	Agilent	High CMR, High Speed TTL Compatible Optocouplers	50mA	7V	20mA	1.5V	2500Vrms	8P/SOIC
33271	HCPL-0631	Agilent	High CMR, High Speed TTL Compatible Optocouplers	50mA	7V	15mA	1.5V	2500Vrms	8P/SOIC
33278	HCPL-2200	Agilent	Low Input Current Logic Gate Optocouplers	25mA	20V	5mA	1.5V	2500 Vrms	8-Pin DIP
15570	HCPL-2211	Agilent	Very High CMR, Wide Vcc Logic Gate Optocoupler(=HP2211)						8P/DIP
33280	HCPL-2300	Agilent	8 MBd Low Input Current Optocoupler	25Ma	18V	5mA	1.3V	2500 Vrms	8-Pin DIP
33282	HCPL-2400	Agilent	20 MBd High CMR Logic Gate Optocouplers	25mA	10V	10mA	1.3V	2500Vrms	8-Pin DIP
33256	HCPL-2531	Agilent	Agilent Dual Channel,High Speed Optocouplers	16mA		25mA	1.5V	2500Vrms	8P/DIP
33273	HCPL-2601	Agilent	High CMR, High Speed TTL Compatible Optocouplers	50mA	7V	20mA	1.5V	2500Vrms	8-Pin DIP
33274	HCPL-2611	Agilent	High CMR, High Speed TTL Compatible Optocouplers	50mA	7V	20mA	1.5V	2500 Vrms	8P/DIP
33275	HCPL-2630	Agilent	High CMR, High Speed TTL Compatible Optocouplers	50mA	7V	20mA	1.5V	2500 Vrms	8-Pin DIP
33276	HCPL-2631	Fairchild	High CMR, High Speed TTL Compatible Optocouplers	50mA	7V	15mA	1.5V	2500 Vrms	8-Pin DIP
33285	HCPL-2730	Agilent	Dual Channel Low Input Current, High Gain Optocouplers	60mA		20 mA	1.4V	3750 Vrms	8-Pin DIP
33286	HCPL-2731	Agilent	Dual Channel Low Input Current, High Gain Optocouplers	60mA		20mA	1.4V	3750 Vrms	8-Pin DIP
28062	HCPL0631	HP	Dual Channel, High CMR,High Speed, TTL Compatible Optocoupler			7.5 mA	1.5V	2500Vrms	SOIC-8P
29371	IL300-F	Infineon	High Speed Optoisolators			60mA		5300Vrms	DIP/8P
24036	IL300-F-X001	Infineon	Linear Optocoupler, High Gain Stability, Wide Bandwid t h			10mA	1.5max	5300V RMS	8P/SOIC
33949	ILCT6	VISHAY	Optocoupler, Phototransistor Output, Dual Channel	1.0nA	65V			5300 Vrms	DIP-8
15565	PC922	SHARP	OPIC Photocoupler	1A	18V	25mA			8P/DIP
14412	PC923	SHARP	OPIC Photocoupler	40mA	15-30V	20mA	1.75V max	5000V rms	8P/DIP
21386	PC923	SHARP	High Speed Photocoupler for MOS-FET / IGBT Drive		35V	20mA			8P/SMD
13253	PC9D10	SHARP	OPIC, 2 CHANNEL, 10MB/S			15mA	1.75V	15mArms	8P/DIP
34534	PVG612S	IR	HEXFET® Power MOSFET Photovoltaic Relay	2A	60V	5mA	7V	4000V	6P/DIP
27441	QTC2530	QTC	Single Ch. , High Speed Optocoupler						
23872	SFH6186-3	Infineon	Optocoupler, Phototransistor Output, Low Input Current		55V			5300 V RMS	4P/SOIC
34477	SN74LS86AN	Fairchild	HIGH SPEED TRANSISTOR OPTOCOUPLES	16mA		25mA	1.5V	2500Vrms	8 Pin DIP

## Phototriac,Photothyristor Coupler

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Part No.	Product No.	Manufacturer	Description	Itriac	On state Volt. (V)	Emitter If	Emitter Vf	Isolation(Vrms)	I to trigger triac	Pins/Parking
35614	16TTS08	IR	PHASE CONTROL SCR	200mA	1.4V	16A	1.4A	800V		TO-220AC
35618	16TTS12	IR	PHASE CONTROL SCR		1.4V	16A	1.4V	1200V		TO-220AC
33804	4N40	QTC	PHOTO SCR OPTOCOUPLES		1.3V		1.1V	400V		6P/DIP
18424	CR02AM	POWER INT.	Lead-Mount,Phase Control SCR		400V					3P/TO-92

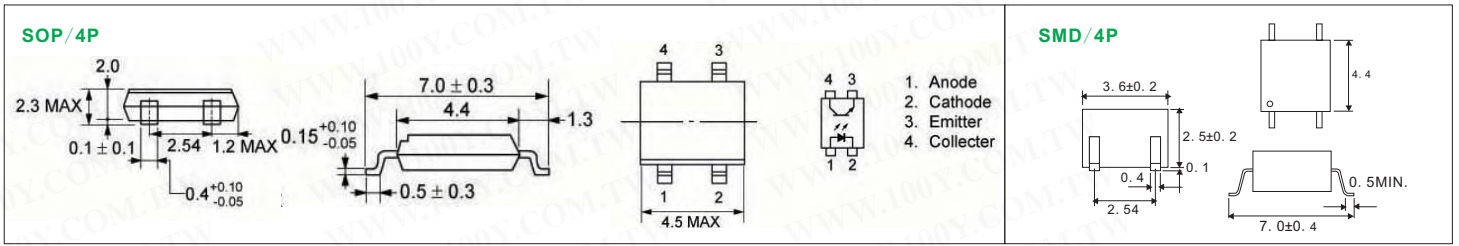




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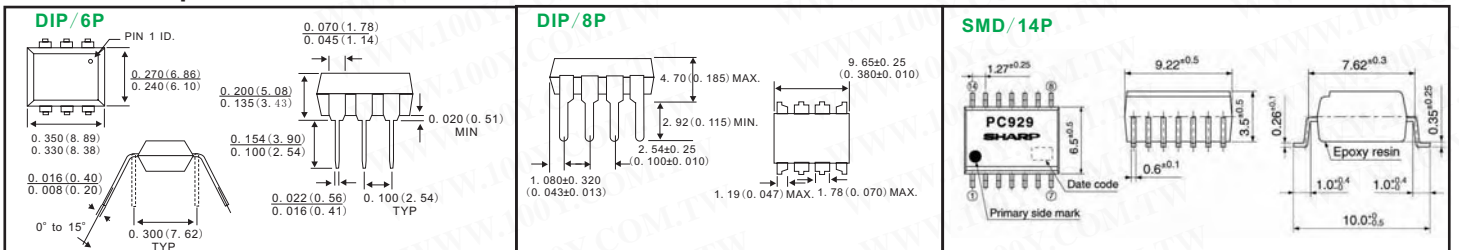
## Phototriac, Photothyristor Coupler

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Part No.	Product No.	Manufacturer	Description	Itriac	On state Volt. (V)	Emitter If	Emitter Vf	Isolation(Vrms)	I to trigger triac	Pins/Parking
19313	GP1S50	SHARP	General Purpose Photointerrupter			50mA	1.25V			
33229	H11C4	ISOCOM	PHOTON COUPLED ISOLATOR Ga As INFRARED EMITTING DIODE & LIGHT ACTIVATED SCR		1.3V	60mA	1.5V	5300Vrms		6P/DIP
33232	H11C6	ISOCOM	PHOTON COUPLED ISOLATOR Ga As INFRARED EMITTING DIODE & LIGHT ACTIVATED SCR		1.3V	60mA	1.5V	5300Vrms		6P/DIP
12295	IL410	Infineon	OPTO-TRIAC		1.7V	60mA	1.16V	5300Vrms		6P/DIP
27175	IL4118	Infineon	Zero Voltage Crossing Zero Voltage Crossing Triac Optocoupler		800V		1.5V	5300V		6P/DIP
22322	LH1510AT	Infineon	High Voltage Optically Coupled Solid State Relay			0.95mA	1.27V	5300 Vrms 5300Vrms		6P/DIP
8036	MOC3010	MOTOROLA	OPTO-TRIAC	100mA	2.3V	60mA	1.2V	7500V pk.	15mA	6P/DIP
8069	MOC3011	QTC	OPTO-TRIAC		3Vtm	10Ma		5.3kVrms	100mA	6Pins/DIP
8037	MOC3020	MOTOROLA	OPTO-TRIAC	100mA	2.3V	60mA	1.2V	7500V pk.	30mA	6P/DIP
8070	MOC3021	MOTOROLA	Non-Zero-Crossing Triac Output	100mA	3Vtm	30mA		5.3kVrms		6P/DIP
8071	MOC3022	Fairchild	Non-Zero-Crossing OPTO-TRIA	100mA	3Vtm	10mA		5.3kV		6P/DI P
18425	MOC3023	Fairchild	6-PIN DIP RANDOM-PHASE OPTOISOLATORS TRIAC DRIVER OUTPUT		400V	60mA	1.15V	7500		6P-DIP
8072	MOC3041	MOTOROLA	OPTO-TRIAC	100mA	2Von	50mA	1.2V	7500Vrms		6P/DIP
41627	MOC3041M	Fairchild	6-Pin DIP 400V Zero Crossing Triac Driver Output Optocoupler		2Von	60mA	1.25V	7500Vrms		6P/DIP
24929	MOC3042	MOTOROLA	OPTO-TRIAC	100mA	2Von	50mA	1.2V	7500Vrms		6P/DIP
18426	MOC3061	Fairchild	6-PIN DIP ZERO-CROSS PHOTOTRIAC DRIVER OPTOCOUPLER		600V	60mA	1.3V	7500		6P-DIP
8007	MOC3063-M	Fairchild	ZERO-CROSS TRIAC OUTPUT		1.5V	50mA	1.2V	7500Vrms	5mA	6P/DIP
17954	MOC3081	Fairchild	6-PIN DIP ZERO-CROSS OPTOISOLATORS TRIAC DRIVER OUTPUT (800 VOLT PEAK)		1.8V	60mA	1.3V	7500V pk.		DIP-6P
17955	MOC3082	Fairchild	6-PIN DIP ZERO-CROSS OPTOISOLATORS TRIAC DRIVER OUTPUT (800 VOLT PEAK)		1.8V	60mA	1.3V	7500V pk.		DIP-6P
17956	MOC3083	Fairchild	6-PIN DIP ZERO-CROSS OPTOISOLATORS TRIAC DRIVER OUTPUT (800 VOLT PEAK)		1.8V	60mA	1.3V	7500V pk.		DIP-6 P
17609	PS2701-1-E3	NEC	HIGH ISOLATION VOLTAGE SOP MULTI HOTOCOUPLER			50mA	40V	3750Vr.m.s.		4P/SOP
4864	S11MD5V	SHARP	Mini-flat Type Phototriac Coupler	100 Arms	2.0V min.	50mA	1.4V	5000Vrms	10mA	6P/DIP
13252	S12MD1V	SHARP	PHOTO SCR COUPLER		1V	50mA	1.2V	5000Vrms		6P/DIP
34791	S21MD3V	SHARP	High Noise Resistance Type Phototriac Coupler	100Arms	2.5V	30mA	1.4V	5000V		6P/DIP
16596	S21MD4V	SHARP	Built-in Zero-cross Circuit, High Noise Res. Type Phototriac Coupler	100mArms	1.7V@It:100mA	50mA	1.2V@20mA	5000Vrms		6P/DIP
17689	TLP190B	TOSHIBA	Photocoupler		8V	20mA	1.4V/10mA	2500Vrms		SMD-4P

## FET Output



Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	On stste Res. (Ω)	Breakdown Volt.	Isolation Vp	Pins/Parking
13303	H11F1	Fairchild	Bilateral Analog FET Output 光耦合器	1.1V	60mA	200	30V(max)	1500V	6P-DIP
33288	HCPL-3120	Agilent	Agilent 2.5 Amp Output Current IGBT Gate Drive Optocoupler	1.5V	2.5A		2.5V	630 Vp	8P/DIP
33290	HCPL-3150	Agilent	0.5 Amp Output Current IGBT Gate Drive Optocoupler	0.8V	0.5A		1.0V	630 Vp	8-Pin DIP



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## FET Output

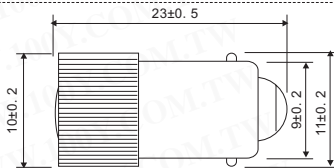
Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

Part No.	Product No.	Manufacturer	Description	Emitter Vf	Emitter If	Isolation Vp	Pins/Parking
39450	PC929	SHARP	High Speed, Built-in Short Protection Circuit, Gate Drive Photocoupler	1.6V	20mA	4.0kV	14P/SMD RoHS(Lead pitch : 1.27 mm)

## Multi-Chip LEDs Midget Groove



Part No.	Product No.	Manufacturer	Description	Voltage (V)	Color	Ball Dia.* Lengt(mm)
18067	01P-L0.6B	META	Midget Groove LED	6V	Super Blue	5.5*15mm
18066	01P-L0.6V	META	Midget Groove LED	6V	Super Green	5.5*15mm
18073	01P-L06.R		Midget Groove LED	6V	Red	5.5*15mm
18074	01P-L06.Y		Midget Groove LED	6V	Yellow	5.5*15mm
18068	01P-L12.B	META	Midget Groove LED	12V	Super Blue	5.5*15mm
18075	01P-L12.R		Midget Groove LED	12V	Red	5.5*15mm
14691	01P-L12.V	META	Midget Groove LED	12V	Super Green	5.5*15mm
18076	01P-L12.Y		Midget Groove LED	12V	Yellow	5.5*15mm
18070	01P-L24.B	META	Midget Groove LED	24V	Super Blue	5.5*15mm
18077	01P-L24.R	META	Midget Groove LED	24V	Red	5.5*15mm
18069	01P-L24.V	META	Midget Groove LED	24V	Super Green	5.5*15mm
18078	01P-L24.Y	META	Midget Groove LED	24V	Yellow	5.5*15mm
11709	6MG-O-G-24		Midget Groove LED	24V	Green	5*16.2
18130	8067-G		Midget Groove LED	12V	Green	10*28



BA9S

**DEMEX**

Part No.	Product No.	Manufacturer	Description	Voltage (V)	Current (mA)	Color	Ball Dia.* Lengt(mm)	socket	Consume source(W)
39162	B9AS110G	DEMEX	High Bright LED	110V		Green	10*23mm	B9AS	
39164	B9AS110VBL	DEMEX	High Bright LED	110V		Blue	10*23mm	B9AS	
39163	B9AS24VBL	DEMEX	High Bright LED	24V		Blue	10*23mm	B9AS	
39161	B9AS24VG	DEMEX	High Bright LED	24V		Green	10*23mm	B9AS	
39932	B9AS24VW	DEMEX	High Bright LED	24V		White	10*23mm	B9AS	
15533	BA9S-110V-G		Midget Groove LED	110V		Green	10*24.5mm	BA9S	
22835	BA9S-24VDC/AC		24VAC/DC LED LAMP	24VAC/DC	0.02mA	WHITE	10	BA9S	0.4W
39515	DMLH9S12G	DEMEX	High Bright LED	12V		Green	10*23mm	B9AS	
39513	DMLH9S12R	DEMEX	High Bright LED	12V		Red	10*23mm	B9AS	
39514	DMLH9S12Y	DEMEX	High Bright LED	12V		Yellow	10*23mm	B9AS	
40434	DMLH9S24W	DEMEX	High Bright LED	24V		White	10*23mm	B9AS	
39512	DMLH9S6.3BL	DEMEX	High Bright LED	6.3V		Blue	10*23mm	B9AS	
39510	DMLH9S6.3G	DEMEX	High Bright LED	6.3V		Green	10*23mm	B9AS	
39508	DMLH9S6.3R	DEMEX	High Bright LED	6.3V		Red	10*23mm	B9AS	
39511	DMLH9S6.3W	DEMEX	High Bright LED	6.3V		White	10*23mm	B9AS	
39509	DMLH9S6.3Y	DEMEX	High Bright LED	6.3V		Yellow	10*23mm	B9AS	
34911	MB-UG-24		Midget Groove	24V		Super Green			
27918	MG-UG-6		Midget Groove	6V		Green			



S15

**tend**

Part No.	Product No.	Manufacturer	Description	Voltage (V)	Current (mA)	Color	socket
42009	S15-L57B	TEND	LED Bulb For Tower Light	24V	0.04A	Blue	BA15S
42012	S15-L57G	TEND	LED Bulb For Tower Light	24V	0.04A	Green	BA15S
42007	S15-L57O	TEND	LED Bulb For Tower Light	24V	0.04A	Orange	BA15S
42005	S15-L57R	TEND	LED Bulb For Tower Light	24V	0.04A	Red	BA15S
42014	S15-L57W	TEND	LED Bulb For Tower Light	24V	0.04A	White	BA15S





# OPTOELECTRONICS & INDICATORS

## Midget Groove

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Midget Groove LED

Part No.	Product No.	Description	Voltage (V)	Current (mA)	Color	Ball Dia.* Lengt(mm)	socket
14565	ZZ-LAPD-2G	Midget Groove LED	24V	100mA	Green	6*13	5.5

## Filament Indicators Miniature Round Indicators

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



- Length: 38mm
- Dimension: 13mm
- Panel hole: 10mm

Part No.	Product No.	Description	Color	Voltage
1888	1006A-G	Miniature Round Indicators	Green	110V
7622	1006A-R	Miniature Round Indicators	Red	110V
8856	1006A-Y	Miniature Round Indicators	Yellow	110V
8845	1006B-G	Miniature Round Indicators	Green	220V
7623	1006B-R	Miniature Round Indicators	Red	220V
8855	1006B-Y	Miniature Round Indicators	Yellow	220V
8854	1006C-G	Miniature Round Indicators	Green	12VDC
8846	1006C-R	Miniature Round Indicators	RED	12VDC
3351	1006C-Y	Miniature Round Indicators	Yellow	12VDC
16437	8007D-G	Miniature Round Indicators	Green	24VDC
16435	8007D-R	Miniature Round Indicators	Red	24VDC
16436	8007D-Y	Miniature Round Indicators	Yellow	24VDC

## Round Indicators

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



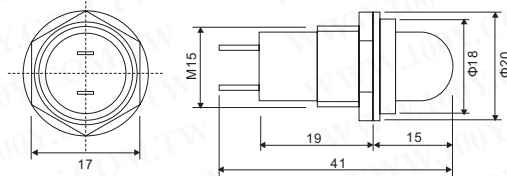
01P-CI40.Q+R+A11



01P-CI40.S+R+L24F

16mm Round Indicators

Part No.	Product No.	Manufacturer	Description	Color	Voltage	Protect grade	terminal
12791	01P-CI40.Q+R+A11	META	16m/m Round Indicators	Red	Heliumm-AC110V	IP40	PCB Mounting
12792	01P-CI40.Q+R+D24	META	16m/m Round Indicators	Red	Tungsten Lamp-DC24V	IP40	PCB Mounting
14403	01P-CI40.S+R+L24F	META	16mm Round Indicators	Red	LED Lamp-DC24V	IP40	PCB Mounting



Part No.	Product No.	Description	Color	Voltage	Protect grade	terminal
8161	1003A-G	15mm Round Indicators	Green	110V	IP40	PCB Mounting
8818	1003A-R	15mm Round Indicators	Red	110V	IP40	PCB Mounting
8817	1003A-Y	15mm Round Indicators	Yellow	110V	IP40	PCB Mounting
8822	1003B-G	15mm Round Indicators	Green	220V	IP40	PCB Mounting
8842	1003B-R	15mm Round Indicators	Red	220V	IP40	PCB Mounting
8843	1003B-Y	15mm Round Indicators	Yellow	220V	IP40	PCB Mounting
8823	1003C-G	15mm Round Indicators	Green	12V	IP40	PCB Mounting
8160	1003C-Y	15mm Round Indicators	Yellow	12V	IP40	PCB Mounting



TN16



TPF

Part No.	Product No.	Manufacturer	Description	Color	Voltage	Protect grade	terminal	Fixed aperture	spec
44172	TN16-PIR61R1	TEND	16m/m Pilot lamp(Incandescent lamp) Round Push Botton	Red	110V	IP65		16mm	Incandescent Lamp
44266	TN16-PNL41R1	TEND	16m/m Pilot lamp(Neon lamp) Rectangular Push Botton Switch	red	110VAC	IP40	Solder/P lug-in	16m/m	Neon
4417 3	TN16-PNR61R1	TEND	16m/m Pilot lamp(Neon lamp) Round Push Botton Switch	red	110VAC	IP65	Solder	16m/m	Neon
43748	TPF-252R	TEND	φ25 Pilot Lamp Flat type	RED	220V			φ25m/m	E-10
43787	TPF-302R	TEND	φ30 Pilot Lamp Flat type	red	220V			φ30m/m	E-12
43837	TPFF-302R	TEND	φ30 Pilot Lamp Flat type Flash Light	red	220V			φ30m/m	E-12
43768	TPFR-252R	TEND	φ25 Pilot Lamp Flat with ring type	RED	220V			φ25m/m	E-10
43805	TPFR-302R	TEND	φ30/Flat with ring type	RED	220V			φ30m/m	E-12
43830	TPL-302R	TEND	φ30 Pilot Lamp Large type	Red	220VAC			φ30m/m	E-12

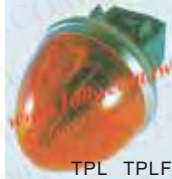




# OPTOELECTRONICS & INDICATORS

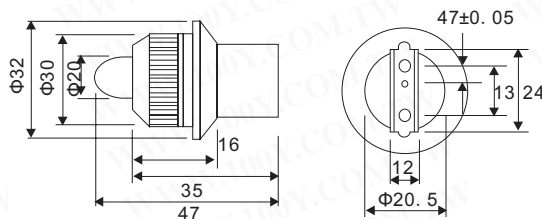
## Round Indicators

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



**tend**

Part No.	Product No.	Manufacturer	Description	Color	Voltage	Fixed aperture	spec
43832	TPL-307R	TEND	ψ30 Pilot Lamp Large type(Without Transformer)	RED	24VAC/DC	ψ30m/m	E-1 2
43844	TPLF-302R	TEND	ψ30 Flash type(Large)	red	220VAC	ψ30m/m	E-12
43852	TPN-087G-L	TEND	ψ8 Neon lamp	green	24VDC LED	ψ8m/m	E10
43846	TPN-08 □	TEND	Φ8/Neon lamp /220V/24V AC	green	220V/24V	Φ8m/m	E10
43855	TPN-112R	TEND	ψ11 Neon lamp	RED	220V	ψ11m/m	
43858	TPN-122R	TEND	ψ12 Neon lamp	red	220V	ψ12m/m	
43862	TPN-152G	TEND	ψ15 Neon lamp	green	220V	ψ15m/m	
43778	TPNF-252G	TEND	ψ25 Flat neon lamp Indicators	GREEN	220V	ψ25m/m	E-10
43814	TPNF-302G	TEND	ψ30 Flat neon lamp Indicators	Green	220VAC	ψ30m/m	E-10



**tend**

Part No.	Product No.	Manufacturer	Description	Color	Voltage	Fixed aperture	spec
36844	TPNR-252G	TEND	Round Indicators	Green	220V	ψ25m/m	E10 Tungsten Lamp
43769	TPNR-252W	TEND	Round Indicators	white	220V	ψ25m/m	E10
28446	TPNR-257-G	TEND	15mm Round Indicators	Red	24V	ψ25m/m	E10 Tungsten Lamp
17335	TPNR-257-R	TEND	15mm Round Indicators	Red	24V	ψ25m/m	E10 Tungsten Lamp
28447	TPNR-257-W	TEND	15mm Round Indicators	white	24V	ψ25m/m	E10 Tungsten Lamp
17336	TPNR-257-Y	TEND	Round Indicators	Yellow	24V	ψ25m/m	E10 Tungsten Lamp
43811	TPNR-302W	TEND	ψ30 Round neon lamp Indicators	White	220VAC	ψ30m/m	E-10



**tend**

Part No.	Product No.	Manufacturer	Description	Color	Voltage	Fixed aperture	spec
43782	TPNS-252G	TEND	ψ25 Square neon lamp Indicators	GREEN	220V	ψ25m/m	E-10
43828	TPNS-302G	TEND	ψ30 Square neon lamp Indicators	Green	220VAC	ψ30m/m	E-10
36843	TPR-252-R	TEND	Round Indicators	Red	220V	ψ25m/m	E10 Tungsten Lamp
43739	TPR-252G	TEND	ψ25 Round type	green	220V	ψ25m/m	E-10
43743	TPR-302G	TEND	ψ30 Round type	GREEN	220V	ψ30m/m	E-10
43835	TPRF-302O	TEND	ψ30 Flash type(Round)	orange	220V	ψ30m/m	E-12
27180	TPRN-251-R	TEND	15mm Round Indicators	Red	110V	ψ25m/m	E10 Tungsten Lamp
43761	TPRR-252O	TEND	ψ25 Round with ring type	orange	220V	ψ25m/m	E-10
43801	TPRR-302O	TEND	ψ30 Round with ring type	orange	220V	ψ30m/m	E-12
43753	TPS-252G	TEND	ψ25 Pilot Lamp Square type	GREEN	220V	ψ25m/m	E-10
43794	TPS-302G	TEND	ψ30 Pilot Lamp Square type	GREEN	220V	ψ30m/m	E-12
43839	TPSF-302	TEND	ψ30 Pilot Lamp Flash type(Square)	orange	220V	ψ30m/m	E-12
43868	TSL-257	TEND	20*45 Rectangular neon lamp	white	24VAC/DC	ψ25m/m	S-9
43872	TSL-3671	TEND	29*53 Rectangular neon lamp(one)	green	24VAC/DC	29*53mm	S-9
43874	TSL-3672	TEND	29*53 Rectangular neon lamp(two)	green	24VAC/DC	29*53mm	S-9

## Square Indicators

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Part No.	Product No.	Manufacturer	Description	Voltage	Color	Fixed aperture	SPEC	Protect grade
44262	TN16-PIL41R1	TEND	16m/m Pilot lamp(Incandescent lamp) Rectangular Push Button	110V	Red	16mm	Incandescent Lamp	IP40



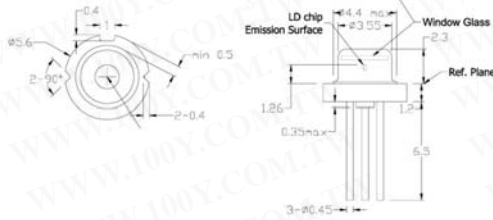
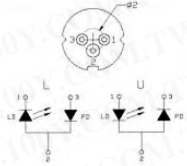
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## Laser Diode Modules Laser LED



Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

### FEATURES

- High visibility (634nm)
- High assembly accuracy
- High reliability

### APPLICATIONS

- Industrial laser markers
- Measuring instruments
- Class I, eye-safe laser pointer

Part No.	Product No.	Manufacturer	Description	Po (mW)	λP(nm)	θ//θ' (deg)	I <sub>m</sub> (uA)	Package	Working temperature (°C)	Working Current_top(mA)
29177	ADL-63052TL	Arima Opto	Laser LED	5mW	635nm	7.5/33	0.1mA	TO-18	-10~40°C	32mA
29179	ADL-63071TL	Arima Opto	Laser LED	7mW	635nm	7.5/33	0.15mA	TO-18	-10~40°C	50mA
29178	ADX-6305STL	Arima Opto	Laser LED	5mW	635nm	7.5/33	0.1mA	TO-18	-10~40°C	33mA
27364	EL65-18-A	EVERLIGHT	Laser LED	5mW	650nm	8//35deg	300uA	TO-18	-10-40	25mA
29049	ELD65A5-1	Arima Opto	Elaser_Laser LED	5mW	650nm	8/38	100uA	TO-18	-10~50°C	20mA
39073	HLDH-650-A-10-01	Haw Shuenn	Laser LED	10mW	650nm	9/28		TO-18	-10~50°C	26
39074	HLDH-660-A-20-01	Haw Shuenn	Laser LED	20mW	650nm	8/16		TO-18	-10~60°C	80
30619	LD-650-5mW-A-90-260uA		Laser LED	5mW	650nm	7/38	90-260uA	TO-18	-10~40°C	35mA

## Optical Switches Photo IC Sensors



- Light source: red LED
- Degree of protection: IP65
- Fiber size: M3 screw
- Optical fiber unit length: 50cm/100cm/200cm
- Housing material: plastic

- Current consumption: <40mA max.
- Indicator: light indicator (red)
- Ambient operating temperature: operating: -25° to 55°C
- Weight: amplifier unit: approx 99g, optical fiber unit: 20g

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

Part No.	Product No.	Description	Sensing distance	Least project	Voltage supply	Output	LED
14784	24YJ-HN-FR+H-SP-05A	Optical Fiber Photo Sensor	100cm	Opaque (0.5mm dia.)	10~30Vdc	NPN DARK/LIGHT	RED LED



Photomicrosensor With Built-In Amplifier, Used With Standard Optical Fiber

Part No.	Product No.	Description	Sensing distance	Least project
14703	E32-DC200	Photomicrosensor With Built-In Amplifier, Used With Standard Optical Fiber	150mm	Φ0.012mm

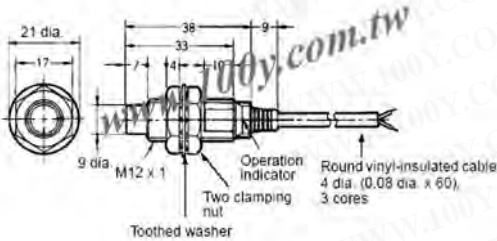


- Cable: 2m 4 conductor cable (1H and 1U types are shielded)
- Input power: 12~24VDC±10%
- Current Consumption: 50mA
- Protection Class: IP65 (Except FFR2 series)
- Shipping Weight: 290g

Part No.	Product No.	Description	Sensing distance	Voltage supply	LED
12279	FFR-1HE	Miniature Amplifier Built-In Type Photo Sensor	Thru-Beam:60mm, Reflective:25mm	12~24Vdc	Red 660nm

## Photoelectric Switch - Amplifier Unit

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



New series of TL-X2C1-GE models with improved performance over the previous TL-X-E models. Also, in addition to the E2EG, the new series of E2E/E2E2 models are available. Ideal for a variety of applications.

With a metal connector that can be tightened securely and accord protector.

With an easy-to-see yellow indicator, deeper mounting holes, and tightening flats for wrenches.

The new series of E2EG models includes M8 plug-in connector models.

Part No.	Product No.	Manufacturer	Description	Detection Volt.	Working voltage	LED
41455	E2EG-X5MC1	OMRON	Cylindrical Proximity Sensor	1,000 VAC for 1 min	12 to 24 VDC	yellow LED

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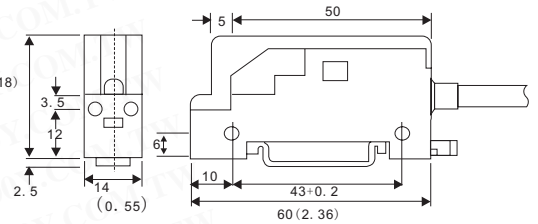
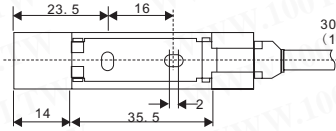
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Shanghai: 100y-1@163.com



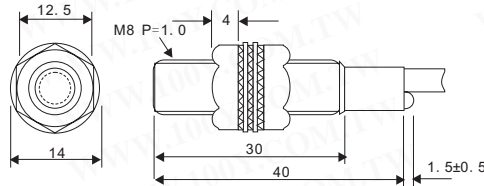
# OPTOELECTRONICS & INDICATORS

## Photoelectric Switch - Amplifier Unit

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Part No.	Product No.	Manufacturer	Description	Detection Volt.	Working voltage	LED
28219	E3C-T1A	OMRON	Photoelectric Switch Amplifier	<50mA ( DC24V)	12-24VDC	RED (670nm)
28218	E3C-T1L	OMRON	Photoelectric Switch Amplifier	<50mA ( DC24V)	12-24VDC	RED (670nm)

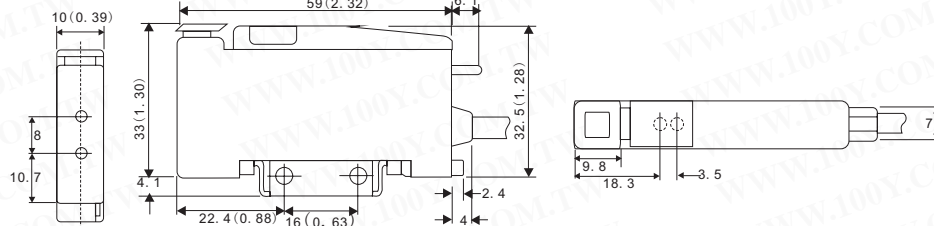


- Rugged Nickel-plated brass housing
- 1 m range through-beam
- Dual output NPN and TTL logic
- Light-ON or Dark-ON models
- Cable and connector models

Part No.	Product No.	Manufacturer	Description	Detection Volt.	Working voltage	Relay Contact Rating	LED
39716	E3HT-DS3E1	OMRON	Threaded Cylindrical M8 Size with Built-in DC Amplifier	30 mA max.	12 to 24 VDC	3 ms max.	RED
41388	E3HT-DS3E2	OMRON		12v	12 to 24 VDC	3 ms max	RED



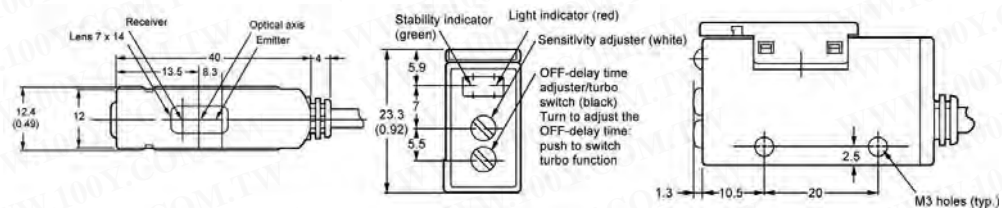
Part No.	Product No.	Manufacturer	Description	Detection Volt.	Working voltage	Relay Contact Rating	LED
41035	E3X-H11	OMRON	Fiber-Optic Photoelectric Sensor	35 mA max.	10 - 30 VDC		(660 nm)Red
14789	E3X-NA11	OMRON	User-friendly Fiber-Optic Amplifier	<35mA ( DC24V)	12-24VDC	200µS max.	Red



Part No.	Product No.	Manufacturer	Description	Detection Volt.	Working voltage	Relay Contact Rating
24054	E3X-NT11	OMRON	Auto-Tuning Fiber-Optic Sensor	<50mA ( DC24V)	12-24VDC	500µS max.

## Photoelectric Switch - Power Controller

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Part No.	Product No.	Manufacturer	Description	Ext Sensor Rating	Input Signal	Delay Time
14690	E3S-AR61	OMRON	General Purpose Photoelectric Sensor	100mA, 30Vdc	10-30VDC	0 to 100 ms with 3/4 turn adjuster

## Opto-Switch Sensors Photo Interrupter

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



- Conforms to EN(TÜV)standards. (Positive opening mechanism is indicated on the switch)
- Wide standard operating temperature range:-30 to 70°C
- Double-insulation structure (with □ mark) requires no grounding terminals
- Five-direction Operation Key
- Approved by UL, CSA, BIA and SUVA standards

Part No.	Product No.	Description
22630	D4DS-2AFS	D4DSMini exit Switch

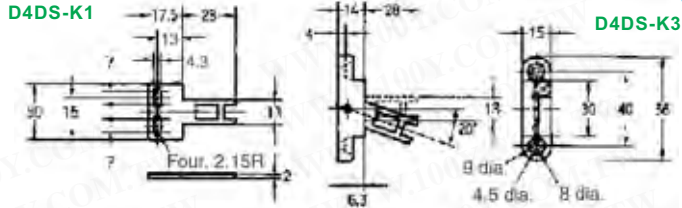




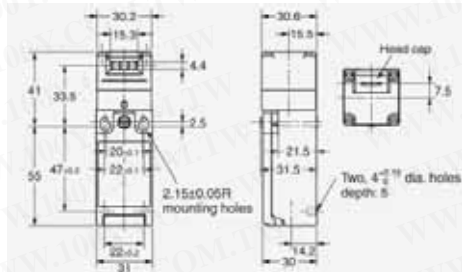
# OPTOELECTRONICS & INDICATORS

## Photo Interrupter

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



Part No.	Product No.	Manufacturer	Description
21905	D4DS-K1	OMRON	D4DS-K1 Miniature Safety Door Switch
46569	D4DS-K3	OMRON	OMRON_ADJUSTABLE MOUNTING



- Lineup includes three contact models with 2NC/1NC and 3NC contact forms in addition to the previous contact forms 1NC/1NO, and 2NC.
- M12-connector models are available, saving on labor and simplifying replacement.
- Standardized gold-clad contacts provide high contact reliability.
- Applicable to both standard loads and micro loads.
- Free of lead, cadmium, and hexavalent chrome, reducing the burden on the environment.

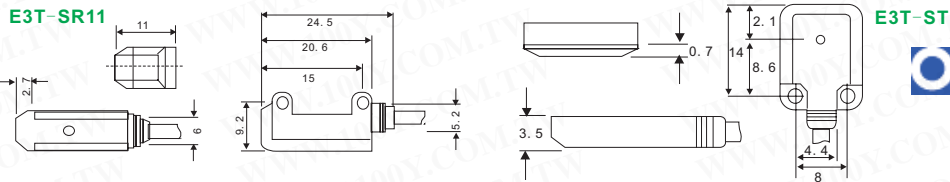
Part No.	Product No.	Manufacturer
40853	D4NS-2BF	OMRON



### Laser Photoelectric Sensor



Part No.	Product No.	Manufacturer	Description	Output/ Vceo	Output Type	Sensing Distance
39408	E3R-5E4	OMRON	Laser Photoelectric Sensor	12~24Vdc	Diffuse Reflective	5M
16156	E3R-DS30E4	OMRON	Laser Photoelectric Sensor	12~24Vdc	Diffuse Reflective	30cm



Part No.	Product No.	Manufacturer	Description	Output/ Vceo	Output Type	Output/ Ic(mA)	Sensing Distance
40997	E3T-SR11	OMRON	"OMRON" Charging Switch	12-24Vdc	t ransparent	12mA	1m
38768	E3T-ST11	OMRON	E3T-ST11 Subminiature Photoelectric Sensor	12~24Vdc	Through-beam	12mA	1m
16222	E3T-ST12	OMRON	E3T-ST12 Subminiature Photoelectric Sensor	12~24Vdc	Thru-Beam	12mA	1m



Part No.	Product No.	Manufacturer	Description	Output/ Vceo	Output Type	Output/ Ic(mA)	Sensing Distance	Input/ If	Input/ Vr
10877	EE-1001	OMRON	Connector						
17979	EE-1006	OMRON	Photomicrosensor With 100-mA Switching Capacity That can Be Built Into Equipment						
18033	EE-1010	OMRON	Photomicrosensor With 100-mA Switching Capacity That can Be Built Into Equipment						
12669	EE-SPX613		An Ideal Photomicrosensor for Detecting Liquid Levels in Transparent Pipes						
17725	EE-SV3	OMRON	Transmissive Photomicrosensors	30V		20mA	N/A	50mA	4V
17583	EE-SX1070	OMRON	Photomicrosensor (Transmissive)	30V		20mA	0.5mm	50mA	4V
25124	EE-SX401	OMRON	Photomicrosensor	16V		16mA		50mA	4V
21904	EE-SX472	OMRON	Photomicrosensor With 100-mA Switching Capacity That can Be Built Into Equipment		NPN		5mm	35mA	DC5~24V
22825	EE-SX473	OMRON	Photomicrosensor With 100-mA Switching Capacity That can Be Built Into Equipment		NPN		5mm		DC5~24V



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## Photo Interrupter

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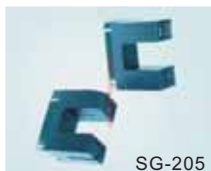
- Select from fifteen output variations, including Light-ON or Light-OFF/ON models.
- Response frequency as high as 1kHz.
- Easy operation monitoring with bright light indicator.
- Wide operating voltage range (5 to 24VDC) makes smooth connection of the photomicrosensor with TTLs, relays, and program mable controllers (PC) possible.

Part No.	Product No.	Manufacturer	Description	Output/ Vceo	Output Type	Output/ Ic(mA)	Sensing Distance
7552	EE-SX670	OMRON	Photomicrosensor With 100-Ma Switching Capacity That Can Be Built Into Equipment	5~24VDC	Light-ON/Dark-ON	35	5.0mm
13701	EE-SX670A		PhotoMicrosensor with Dark-On Indicator in VarietyOf Shapes	5~24VDC		35	5.0mm
10948	EE-SX671	OMRON	Photomicrosensor With 100-Ma Switching Capacity That Can Be Built Into Equipment	5~24VDC	Light-ON/Dark-ON	35	5.0mm
14768	EE-SX671A	OMRON	Photomicrosensor With Dark-On Indicator In Variety Of Shapes	5~24VDC	Light-ON/Dark-ON	35	5.0mm
32635	EE-SX671R	OMRON	Transistor Output	1.3 V	Light-ON/Dark-ON	50 mA	5.0 mm
6266	EE-SX672	OMRON	Photomicrosensor With 100-Ma Switching Capacity That Can Be Built Into Equipment	5~24VDC	Light-ON/Dark-ON	35	5.0mm
14787	EE-SX672A	OMRON	Photomicrosensor With Dark-On Indicator In Variety Of Shapes	5~24VDC	Light-ON/Dark-ON	35	5.0mm
7863	EE-SX673	OMRON	Photomicrosensor With 100-Ma Switching Capacity That Can Be Built Into Equipment	5~24VDC	Light-ON/Dark-ON	35	5.0mm
19029	EE-SX673A	OMRON	PhotoMicrosensor with Dark-On Indicator in VarietyOf Shape s	5~24VDC	NPN	35	5.0mm
44957	EE-SX673P	OMRON	PhotoMicrosensor with Dark -On Indicator in VarietyOf Shap es	5~24VDC	NPN	35	5.0mm
12810	EE-SX674		Photomicrosensor With 10 0-mA Switching Capacity That can Be Built Into Equipment	5~24VDC	Light-ON/Dark-ON	35	5.0mm
27183	EE-SX674A	OMRON	Photomicrosensor With 100-mA Switching Capacity That can Be Built Into Equipment	5~24VDC	Light-ON/Dark-ON	35	5.0mm



Photointerrupters

Part No.	Product No.	Manufacturer	Description	Output/ Vceo	Output Type	Output/ Ic(mA)	Sensing Distance	Input/ If	Input/ Vr
16269	HINT-2600		Photointerrupters	30V	Phototransistor	30mA	2.6mm	25mA	5V
23670	HINT-3120	Haw Shuenn	Photointerrupters	30V	Transistor	30mA	3.1mm	50mA	5V
16270	HINT-5200		Photo Interrupter & Reflector	30V	Phototransistor NPN	40mA	5.2mm	50mA	5V



### FEATURES

- High performance
- High-speed response
- 5mm gap
- Widely applicable

### APPLICATIONS

- Tape-end sensors
- Timing sensors
- Edge sensors
- Copiers



### FEATURES

- PWB direct mount type
- Gap: 2.0mm
- Compact
- Low cost

### APPLICATIONS

- Floppy disk drives
- CD-ROM drives
- Printers
- Facsimiles
- Cameras



### FEATURES

- High performance
- High-speed response
- 5mm gap
- Widely applicable

### APPLICATIONS

- Tape-end sensors
- Timing sensors
- Edge sensors
- Copiers



### FEATURES

- 0.4mm aperture
- Easy to mount on P. C. B
- Very compact

### APPLICATIONS

- Floppy disk drives
- Camera

Part No.	Product No.	Manufacturer	Description	Output/ Vceo	Output Type	Output/ Ic(mA)	Sensing Distance	Input/ If	Input/ Vr
7847	SG-205	KODENSHI	Photointerrupters	1.4V	Transistor	60mA	5mm		
18163	SG-211V	KODENSHI	Optic Receiver Module For Infrared					20mA	5V
18162	SG-215	KODENSHI	Optic Receiver Module For Infrared					30mA	5V
16145	SG-223-B	KODENSHI	Photointerrupters	1.4Max.	Transistor	20	3mm		













# OPTOELECTRONICS & INDICATORS

## Photo Interrupter

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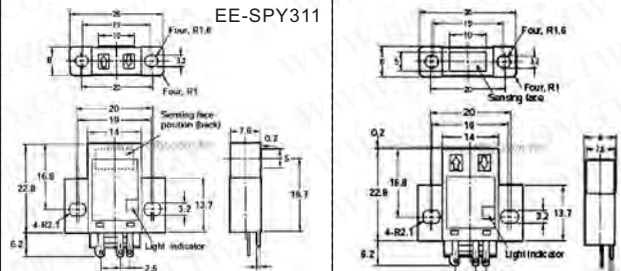
 <p>SG-233</p>	 <p>SG-23FF</p>	<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>● 0.5mm aperture</li> <li>● High-speed response</li> <li>● Easy to mount on P. C. B</li> <li>● Widely applicable</li> </ul>	<p><b>APPLICATIONS</b></p> <ul style="list-style-type: none"> <li>● Tape-end sensors</li> <li>● Timing sensors</li> <li>● Edge sensors</li> <li>● Copiers</li> </ul>	 <p>SG-23FI</p>
 <p>SG-255</p>	<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>● PWB direct mount type</li> <li>● GAP: 3.2mm</li> <li>● Double-sided screw-mount</li> </ul> <p><b>APPLICATIONS</b></p> <ul style="list-style-type: none"> <li>● Printers</li> <li>● Facsimiles</li> <li>● Auto stampers</li> <li>● Ticket vending machines</li> </ul>	 <p>SG-2BC</p>	<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>● Compact (Φ4mm)</li> <li>● High performance</li> <li>● High-speed response</li> <li>● Easy to mount on P. C. B</li> <li>● Widely applicable</li> </ul> <p><b>APPLICATIONS</b></p> <ul style="list-style-type: none"> <li>● Timing sensors</li> <li>● Edge sensors</li> <li>● Micro floppy disk drives</li> <li>● Level sensors</li> <li>● of liquid</li> </ul>	

Part No.	Product No.	Manufacturer	Description	Output/ Vceo	Output Type	Output/ Ic(mA)	Sensing Distance	Input/ If	Input/ Vr
28182	SG-233	OPTOSENSOR	PHOTOINTERRUPTERS	30V		20mA	3.0mm	50mA	5V
2931	SG-23FF	KODENSHI	Photointerrupters	1.4Max.	Transistor	60	3.0mm		
7846	SG-23FI	KODENSHI	Photointerrupters	1.4V Max.	Transistor	60mA	3.1mm		
17180	SG-255	KODENSHI	Photointerrupters	1.4Max.	Transistor	60	3.1mm		
45259	SG-2BC	KODENSHI	Photointerrupters					50mA	5

 <p>SY-507</p>	 <p>SY-509</p>	 <p>SY-510</p>	<table border="1"> <thead> <tr> <th>Part No.</th> <th>Product No.</th> <th>Description</th> <th>Output/ Vceo</th> <th>Output Type</th> <th>Output/ Ic(mA)</th> <th>Sensing Distance</th> <th>Input/ If</th> </tr> </thead> <tbody> <tr> <td>1898</td> <td>SY-507</td> <td>Photointerrupters</td> <td>1.2V</td> <td>Transistor</td> <td>30mA</td> <td>3.15mm</td> <td>1.5Vmax</td> </tr> <tr> <td>5124</td> <td>SY-509</td> <td>Photointerrupters</td> <td>1.2</td> <td>Transistor</td> <td>30</td> <td>3.2mm</td> <td></td> </tr> <tr> <td>1901</td> <td>SY-510</td> <td>Photointerrupters</td> <td>1.2</td> <td>Transistor</td> <td>30</td> <td>3.0mm</td> <td></td> </tr> </tbody> </table>	Part No.	Product No.	Description	Output/ Vceo	Output Type	Output/ Ic(mA)	Sensing Distance	Input/ If	1898	SY-507	Photointerrupters	1.2V	Transistor	30mA	3.15mm	1.5Vmax	5124	SY-509	Photointerrupters	1.2	Transistor	30	3.2mm		1901	SY-510	Photointerrupters	1.2	Transistor	30	3.0mm	
Part No.	Product No.	Description	Output/ Vceo	Output Type	Output/ Ic(mA)	Sensing Distance	Input/ If																												
1898	SY-507	Photointerrupters	1.2V	Transistor	30mA	3.15mm	1.5Vmax																												
5124	SY-509	Photointerrupters	1.2	Transistor	30	3.2mm																													
1901	SY-510	Photointerrupters	1.2	Transistor	30	3.0mm																													

## Photo Reflectors

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

 <p>EE-SPX303 EE-SPX403</p>	<ul style="list-style-type: none"> <li>● Easy adjustment and optical axis monitoring with a light indicator</li> <li>● Connection possible with programmable controllers (PLCs)</li> <li>● Easy-to-wire connector assures ease of maintenance</li> <li>● Wide operating voltage range: 12 to 24 VDC</li> </ul>	 <p>EE-SPW311 EE-SPW411</p>	 <p>EE-SPY412</p>
 <p>EE-SPX311</p>	 <p>EE-SPY302</p>	 <p>EE-SPY402</p>	 <p>EE-SPY311 EE-SPY312</p>

Part No.	Product No.	Manufacturer	Description	Output Type	Output/ Vceo	Sensing Distance	Output/ Ic(mA)	Input/ If	Input/ Vr
41361	EE-SPW311	OMRON	Photo Reflectors	ON (NPN)		1M		20mA	DC5V
28067	EE-SPW411	OMRON	Photo Reflectors	ON (NPN)		1m		20mA	DC5V
38139	EE-SPX303	OMRON	Broad Slot-type Photomicrosensor		12~24Vdc	13mm			
16136	EE-SPX311	OMRON	NPN to PNP Conversion Connector for Amplified Photomicrosensors	Reflect	12~24Vdc	2~6mm			
38136	EE-SPX403	OMRON	Broad Slot-type Photomicrosensor		12~24Vdc	13mm			
13674	EE-SPY302	OMRON	OMRON_Slim Reflective Sensor Detects Objects Without Background Interference	80mA		5mm			
19454	EE-SPY311	OMRON							
19455	EE-SPY312	OMRON	OMRON_Photomicrosenor Reflective Type(Light-OFF)			2~6mm			
17470	EE-SPY402	OMRON	OMRON_Slim Reflective Sensor Detects Objects Without Background Interference		80mA		5mm		
40440	EE-SPY412	OMRON	Accurately Detects Objects Placed in		5 to 24 VDC	5mm	80 mA		

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## Photo Reflectors

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



- New PNP models are now available
- Standard, L-shaped, T-shaped, and close mounting models available
- Models available with Light-ON or Light-ON/Dark-ON output configurations
- Response frequency as high as 1kHz
- Easy operation monitoring with bright LED indicator
- Wide operating voltage range (5to24VDC) make smooth connection of the photomicrosensor with TTLs, relays, and program mable controllers (PLC) possible

Part No.	Product No.	Manufacturer	Description	Output/ Vceo	Sensing Distance	Output/ Ic(mA)
39958	EE-SX470	OMRON	Photomicrosensor 100 mA (NPN) Switching Capacity	5to24VDC	0.025 mm	100 mA
39971	EE-SX471	OMRON	100 mA (NPN) Switching Capacity	600V	0.025 mm	100mA



- Easy adjustment with a built-insensitivity adjuster.
- Model with a Sensor mounted on the top side of the body.
- Light-OFF and Light-ON switchable (Light-ON when the Lterminal and the positive terminal are short-circuited).
- Compact photomicrosensor with a built-in amplifier and special C makes it possible to directly switch currents up to 100mA.
- Wide operating voltage range (5to24VDC) makes smooth connection possible with a TTLs, relays, and program mable controllers(PC).

Part No.	Product No.	Manufacturer	Description	Output Type	Sensing Distance
15503	EE-SY671	OMRON	Reflective Photomicrosensor With Sensitivity Adjuster	With Detecting Object ON/Without Detecting Object-OFF	5mm(White Paper with Reflection Factor of 90% )
11549	EE-SY672		Reflective Photomicrosensor With Sensitivity Adjuster	With Detecting Object ON/Without Detecting Object-OFF	5mm(White Paper with Reflection Factor of 90% )



Part No.	Product No.	Description	Output Type	Output/ Vceo	Sensing Distance	Output/ Ic(mA)	Input/ If	Input/ Vr
16271	HRS-4C2D	Reflector distance 3.81mm	Phototransistor NPN	30V	3.81mm	40mA	60mA	5V



### Photo Reflectors

Part No.	Product No.	Description	Output Type	Output/ Vceo	Sensing Distance	Output/ Ic(mA)	Input/ If
22077	SY-CR102	Photo Reflectors		12V		230uA(Min)	20mA
7865	SY-CR103	Photo Reflector	Transistor	1.7	0.04 Inch	12	

## Slotted, Through Scan

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)



### FEATURES

- High-output power
- High-speed response
- Wide angular response
- Low-cost
- Sidelooking plastic package

### APPLICATIONS

- Remote control sensors
- Optical switches
- Photocoupler

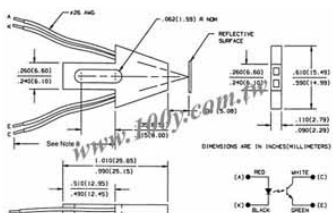
Part No.	Product No.	Manufacturer	Description	Input/ If	Input/ Vr	Output/ Vceo	Output/ Ic(mA)
34321	OPB608A	OPTEK	Reflective Object Sensor	20mA	2V	30V	100nA



### FEATURES

- Phototransistor output
- Unfocused for sensing diffuse surface
- Low cost plastic housing
- Enhanced signal to noise ratio
- Reduced ambient light sensitivity

Part No.	Product No.	Manufacturer	Description	Input/ If	Input/ Vr	Output/ Vceo	Output/ Ic(mA)
36433	OPB608B	OPTEK	Reflective Object Sensor	100 nA	2V	30V	20mA
36435	OPB608C	OPTEK	Reflective Object Sensor	20mA	2V	30V	100nA
36436	OPB608R	OPTEK	Reflective Object Sensor	50mA	5V	30V	20mA
36437	OPB608V	OPTEK	Reflective Object Sensor	5V	30mA	30V	25mA



### FEATURES

- Phototransistor output
- Low profile to facilitate stacking
- Low cost plastic housing
- 4.0 inch minimum length lead wire (OPB700)
- 18.0 inch minimum length lead wire (OPB700AL)

Part No.	Product No.	Manufacturer	Description	Input/ If	Input/ Vr	Output/ Vceo	Output/ Ic(mA)
40225	OPB700AL	OPTEK	Reflective Object Sensor	100mA	2.0V	25V	100nA



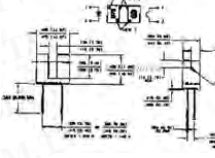
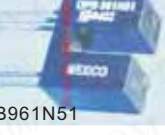


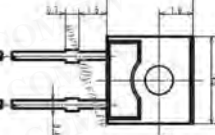





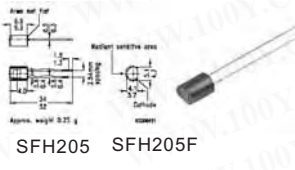
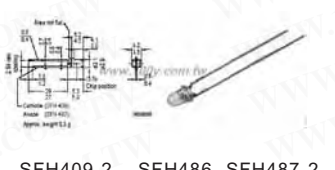

# OPTOELECTRONICS & INDICATORS

## Slotted, Through Scan

Detailed product specifications are available on: [us.100y.com.tw](http://us.100y.com.tw)

 <p>OPB745</p>	<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>● Focused for maximum sensitivity</li> <li>● Photodarling output</li> <li>● Crosstalk dose not exceed specified I<sub>CEO</sub></li> <li>● PC board mounting</li> </ul>	 <p>OPB815W</p>	<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>● Non-contact switching</li> <li>● 24' minimum, 26 AWG wire leads</li> <li>● 0.375" (9.53mm) wide slot</li> <li>● 0.430" (10.92mm) deep slot</li> </ul>	 <p>OPB862N55 OPB867N55</p> <p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>● 0.125" wide gap</li> <li>● Choice of aperture</li> <li>● Choice of opaque or IR transmissive shell material</li> </ul>
 <p>OPB961N51</p>	 <p>OPB973N51</p>	 <p>OPB973T51</p>	<p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>● Choice of mounting configuration</li> <li>● Choice of aperture</li> <li>● Choice fo output configuration</li> </ul>	 <p>PT23GP11</p>

Part No.	Product No.	Manufacturer	Description	Input/ If	Input/ Vr	Output/ Vceo	Output/ Ic(mA)	Output Type
29285	OPB745	OPTEK	Reflective Object Sensor	40mA	2V	15V	250nA	
34340	OPB815W	BB	DEEP GAP SLOTTED OPTICAL SWITCH	20mA	2V	5V-30V	20mA	
28068	OPB862N55	OPTEK	Slotted Optical Switch	50mA	2V	30V	30mA	Phototransistor
28069	OPB867N55	OPTEK	Photologic Slotted Optical Switch	50mA	2V	30V	30mA	Phototransistor
18684	OPB961N51	OPTEK	Photologic Slotted Optical Switches	20mA	2V	4.75-5.25V	15mA	Buffered Open-Collector Output
40175	OPB973N51	OPTEK	Photologic Slotted Optical Switches					
19638	OPB973T51	OPTEK	Photologic Slotted Optical Switches	20mA	2V	4.75-5.25V	15mA	Buffered Open-Collector Output
39574	P T23GP11	K ODENSHI	Daylight sensor			10V	500 nA	10 nA typ

 <p>SFH203 SFH203FA SFH203P SFH213 SFH213FA SFH229 SFH309FA4 SFH313FA2</p>	 <p>SFH205 SFH205F</p>	 <p>SFH409-2 SFH486 SFH487-2</p>	 <p>SFH485P</p>
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Part No.	Product No.	Manufacturer	Description	Input/ If	Input/ Vr	Output/ Vceo	Output/ Ic(mA)	Sensing Distance
34958	SFH203	SIEMENS	Silicon PIN Photodiode with Daylight Filter	1nA	1.3V	10V	2mA	850 nm
34960	SFH203FA	SIEMENS	Silicon PIN Photodiode with Daylight	80mA	1.3V	50V	1mA	
35007	SFH203P	SIEMENS	Silicon PIN Photodiode with Daylight Filter	0.003mA	50	350mV	0.8	
36038	SFH205	SIEMENS	Silizium-PIN-Fotodiode mit Tageslichtsperrfilter	100mA	10V	32V	2nA	60
35024	SFH205F	OSRAM	Silicon-PIN-Photodiode with Daylight Filter	100mA	10V	32V	2nA	
35026	SFH213	SIEMENS	Silizium-PIN-Fotodiode mit sehr kurzer Schaltzeit	80mA	1.3V	50V	1nA	
35028	SFH213FA	SIEMENS	Silicon PIN Photodiode with Very Short Switching Time	80mA	20V	50V	1nA	
35029	SFH229	SIEMENS	Silizium-PIN-Fotodiode mit sehr kurzer Schaltzeit	100mA	10V	20V	50pA	
35030	SFH309FA4	SIEMENS	Silicon NPN Phototransistor	4.5mA	25V	35V	15mA	
35087	SFH313FA2	SIEMENS	New: Silicon NPN Phototransistor	100mA	7V	10V	50mA	
35091	SFH409-2	SIEMENS	GaAs-IR-Lumineszenzdiode	100mA	5V	1.3V	100mA	
35096	SFH485P	SIEMENS	GaAIAs-IR-Lumineszenzdiode (880 nm)	100mA	3V	5V	2.5A	
35100	SFH486	SIEMENS	GaAIAs-IR-Lumineszenzdiode (880 nm)	100mA	5V	3V	100mA	
35102	SFH487-2	SIEMENS	GaAIAs Infrared Emitter (880 nm)	100mA	5V	3v	2.5A	

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