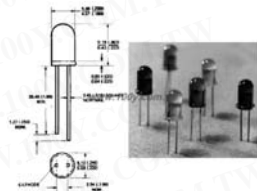




5mm LED

Detailed product specifications are available on: 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°

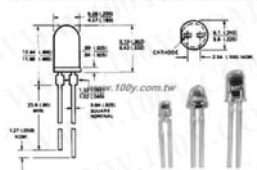


FEATURES

- **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**



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**

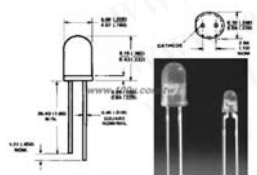
APPLICATIONS

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



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/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

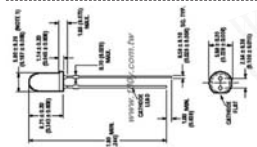
- **Low power**
- **High efficiency**
- **CMOS-MOS compatible**
- **TTL compatible**
- **Wide viewing angle**
- **Choice of package style**
- **Choice of colors**

APPLICATIONS

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



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**



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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