

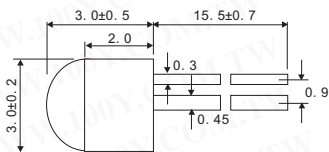


OPTOELECTRONICS & INDICATORS

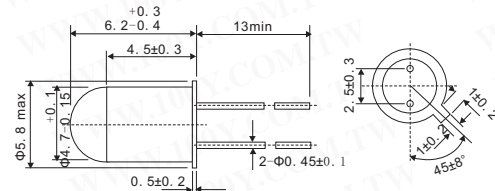
the Most Recent Electronic Catalogue 2007

Infrared Emitting Diode

Detailed product specifications are available on: us.100y.com.tw



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 bermetic 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(GaAIs)	TO-18	20	50	940	±50deg	1	5



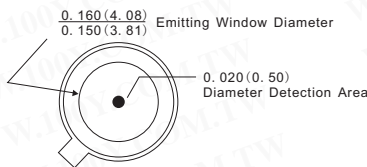
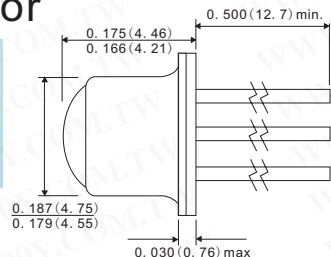
FEATURES

- 137mV (μW/cm²), 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

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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

