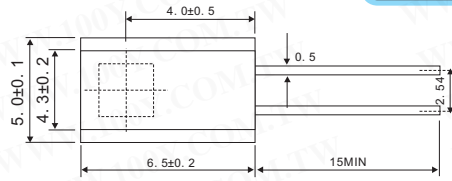




OPTOELECTRONICS & INDICATORS

the Most Recent Electronic Catalogue 2007

Photo Diode



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

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

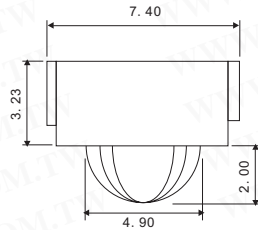


Part Number	Open Circuit Voltage	Short Circuit Current		Dark Current	
	Vop Typ. (V)	Ish Typ. (mA)	Ev (Lux)	ID Type (nA)	Vr (V)
SY-3573PD	0.35	70.0	1000	100	10

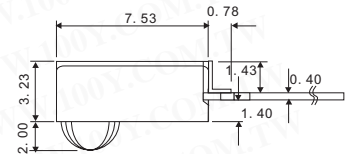
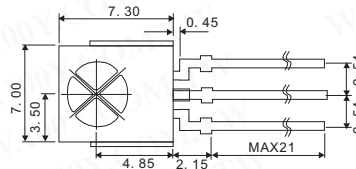


Part No.	Product No.	Manufacturer	Description	Open Circuit Voc	λP(nm)	△θ(deg)	Vr	Package
23989	SY-3573PD	SHIAN YIH	PHOTO DIODE	0.35V	900nm	+/-70	10V	Epoxy resin

Optic Receiver Module



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



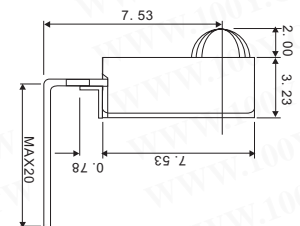
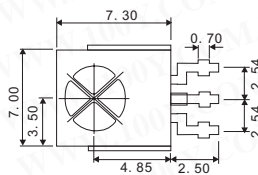
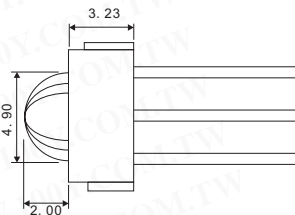
FEATURES

- 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



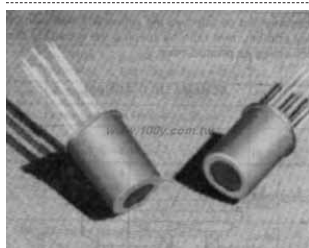
FEATURES

- 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



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