

勝特力材料 886-3-5753170
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[Http://www.100y.com.tw](http://www.100y.com.tw)

PHOTO DIODES

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
- Low cost

Applications

- Infrared sensor
- Strobe
- Camera
- Smoke detector
- Remote control for T.V., VTR, AUDIO
- Exposuremeter

Electro - Optical Characteristics

($T_a = 25^\circ\text{C}$)

Part Number	Open Circuit Voltage	Short Circuit Current		Dark Current		λ P	$\Delta \theta$	Topr ($^\circ\text{C}$)	Package
	Vop Typ (V)	Ish Typ (μA)	EV (Lux)	ID Typ (nA)	VR (V)	Typ (nm)	Typ (deg)		
SY-54PD	0.40	12	1000	60	10	900	± 30	-10 ~ +70	Epoxy Resin (C-1)
SY-3572PD	0.35	70	1000	100	10	900	± 70	-20 ~ +70	Epoxy Resin (C-2)
SY-48PD	0.40	35	1000	60	10	900	± 15	-25 ~ +125	TO-18 (C-3)
SY-75PD	0.38	75	1000	100	10	900	± 60	-20 ~ +80	TO-5 Epoxy Resin(C-4)
SY-3572PDR	0.35	75	1000	100	10	900	± 60	-20 ~ +70	Epoxy Resin (C-5)

Package Dimensions

(Unit:mm)

SY-54PD (C-1)	SY-3572PD (C-2)	SY-48PD (C-3)	SY-75PD (C-4)	SY-3572PDR (C-5)