

SPDI433-01

PIN Photo Diode

The SPDI433-01 is a high-output, high-speed silicon PIN photodiode mounted in a plastic package.

Features

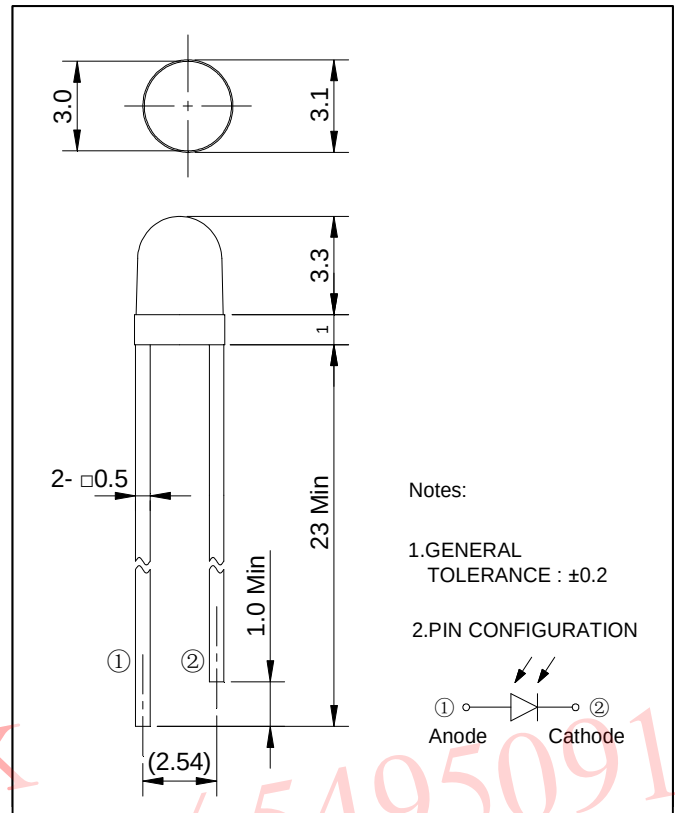
- High-Speed Response
- Clear Plastic Package
- Wide Angular Response
- Low Profile
- RoHS Compliance

Application

- Optical Detectors
- Optical Switches

Dimensions

(Unit:mm)



MAXIMUM RATINGS

(Ta= 25°C)

Item	Symbol	Rating	Unit
Reverse Voltage	VR	30	V
Power Dissipation	PD	30	mW
Operating Temperature *1	Topr.	-25~+85	°C
Storage Temperature *1	Tstg.	-40~+100	°C
Soldering temperature *2	Tsol.	320	°C

Note : *1. Without sudden changes in temperature

*2. For max.5 seconds at the position of 2mm from the package, and without stress

ELECTRO- OPTICAL CHARACTERISTICS

(Ta= 25°C)

Items	Symbol	Condition	Min.	Typ.	Max.	Unit
Open circuit voltage	V _{OC}	EV=1000Lux *3		0.4		V
Short circuit current	I _{SC}		12	16		μA
Dark current	I _d	VR=10V			10	nA
Capacitance	C _t	V=10V, f=1MHz		3.0		pF
Spectral sensitivity	λ		450~1100			nm
Peak wavelength	λ _p			940		nm
Half angle	Δθ			±65		deg.

Note : *3. Irradiance by CIE standard light source A (2856K tungsten lamp)

The contents of this data sheet are subject to change without advance notice for the purpose of improvement. When using this product, would you please refer to the latest specifications.

Nov, 2013

