

SPDI754-03

PIN Photo Diode

The SPDI754-03 is a high-output, high-speed silicon PIN photodiode mounted in a side-looking package.

Features

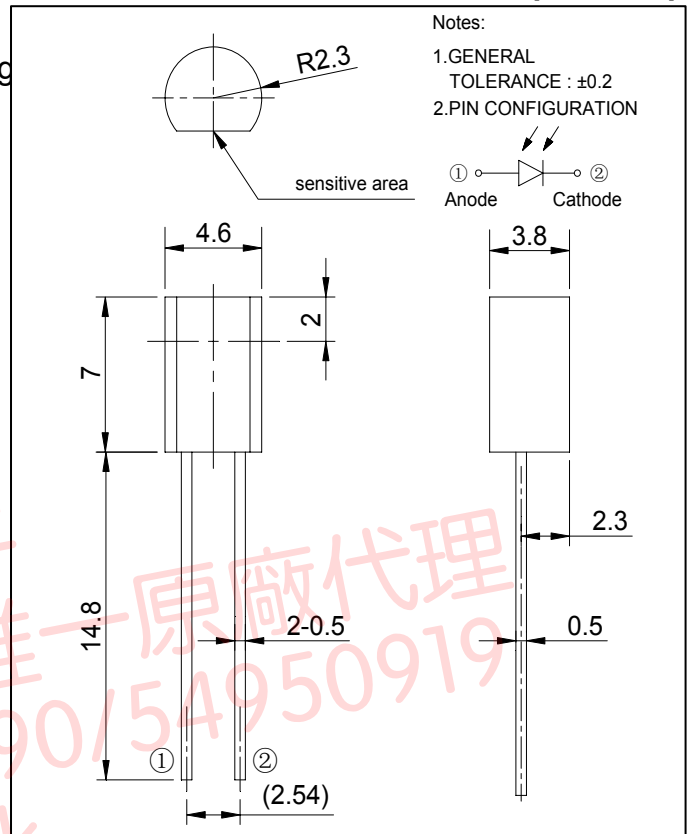
- High-Output Power
- High-Speed Response
- Clear Plastic Package
- Wide Angular Response
- RoHS Compliance

Application

- Smoke Sensor
- Optical Switches
- Optical Detectors

Dimensions

(Unit:mm)



MAXIMUM RATINGS

(Ta= 25°C)

Item	Symbol	Rating	Unit
Reverse Voltage	VR	20	V
Power Dissipation	PD	100	mW
Operating Temperature	Topr.	-25~+85	°C
Storage Temperature	Tstg.	-40~+100	°C
Soldering temperature *1	Tsol.	260	°C

Note : *1. For MAX.5 seconds at the position of 2mm from the package

ELECTRO- OPTICAL CHARACTERISTICS

(Ta= 25°C)

Items	Symbol	Condition	Min.	Typ.	Max.	Unit
Open circuit voltage	V _{OC}	EV=1000Lux *2		0.4		V
Short circuit current	I _{SC}			85		μA
Dark current	I _d	VR=10V			20	nA
Capacitance	C _t	V=0V, f=1MHz		70		pF
Spectral sensitivity	λ		400~1100			nm
Peak wavelength	λ _p			940		nm
Half angle	Δθ			±70		deg.

Note : *2. Irradiance by CIE standard light source A (2856K tungsten lamp)

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