

SPD994-02

Photo Diode

SPD994-02 is a silicon photodiode mounted in a metal header with clear epoxy encapsulation

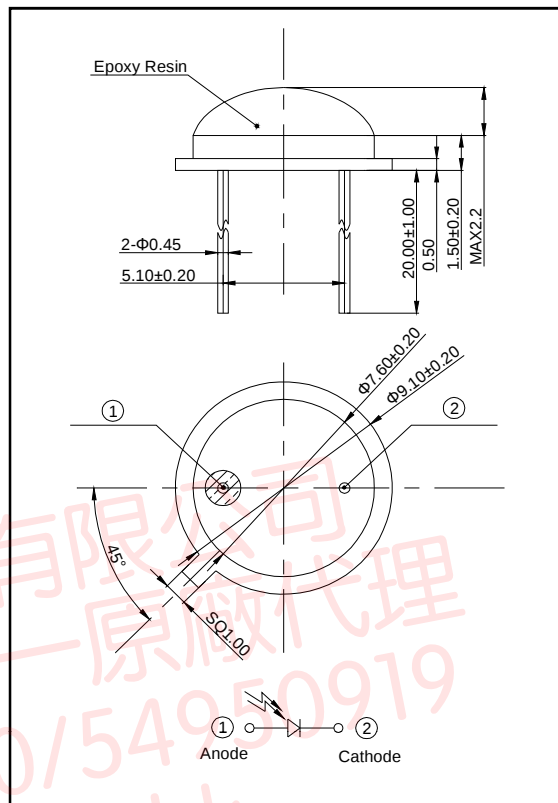
Features

- High-Output Power
- Wide angular response
- Low-cost than metal can package

Application

- Optical Detectors
- Infrared sensors
- Smoke detectors

Dimensions (Unit:mm)



MAXIMUM RATINGS

(Ta= 25℃)

Item	Symbol	Rating	Unit
Reverse Voltage	V_R	5	V
Operating Temperature	Topr.	-20~+90	℃
Storage Temperature	Tstg.	-30~+100	℃
Soldering temperature ^{*1}	Tsol.	260	℃

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

ELECTRO- OPTICAL CHARACTERISTICS

(Ta= 25℃)

Items	Symbol	Condition	Min.	Typ.	Max.	Unit
Open circuit voltage	V_{OC}	EV=1000Lux ^{*2}		0.4		V
Short circuit current	I_{SC}		80	170		μA
Dark current	I_D	VR=5V			10	μA
Capacitance	Ct	V=0V,f=1MHz		1050		pF
Spectral sensitivity	λ			450~1050		nm
Peak wavelength	λ_p			900		nm
Half angle	$\Delta\theta$			±60		deg.

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

NEW PRODUCT

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