

SpO₂-D25

PIN Photo Diode

The SpO₂-D25 is a high-output, high-speed silicon PIN photodiode mounted in a sidelooking package.

Features

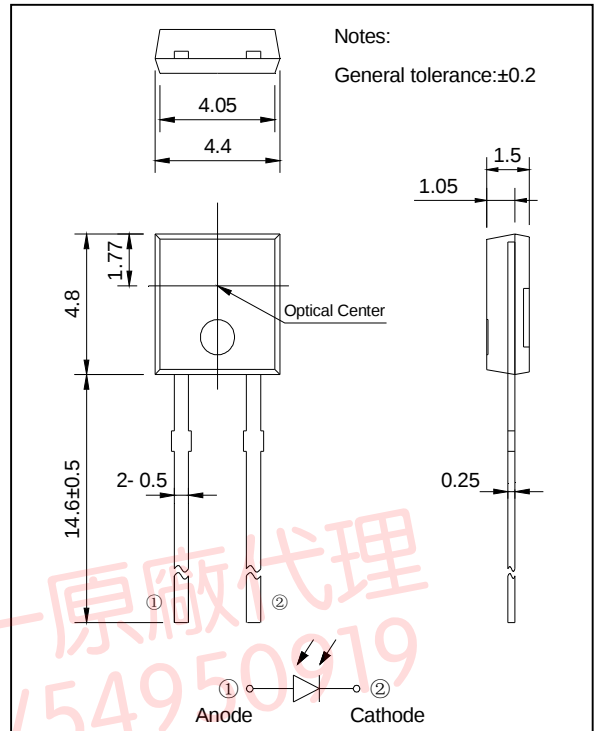
- SpO₂ Sensor Detector Module
- High-Output Power
- High-Speed Response

Application

- Optical Detectors
- Optical Sensors

Dimensions

(Unit:mm)



MAXIMUM RATINGS

(Ta= 25℃)

Item	Symbol	Rating	Unit
Reverse Voltage	V _R	35	V
Operating Temperature	T _{opr.}	-25~+85	℃
Storage Temperature	T _{stg.}	-30~+100	℃
Soldering temperature *1	T _{sol.}	260	℃

*1. Lead Soldering Temperature(3mm from case for 5sec)

ELECTRO- OPTICAL CHARACTERISTICS

(Ta= 25℃)

Items	Symbol	Condition	Min.	Typ.	Max.	Unit
Open circuit voltage	V _{OC}	E _v =1000Lux *2		0.4		V
Short circuit current	I _{SC}			57		μA
Dark current	I _D	V _R =10V			30	nA
Capacitance	C _t	V=0V, f=1MHz		36		pF
Spectral sensitivity	λ		450~1050			nm
Peak wavelength	λ _p			940		nm
Half angle	Δθ			±60		deg.

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

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