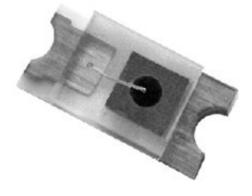
CERLED[®] SMD Chip Detector

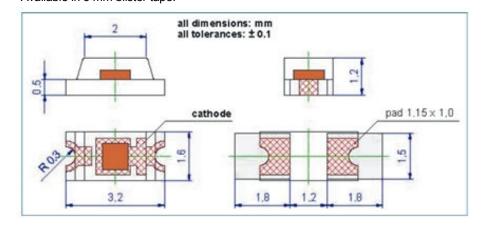
Selective Photodiode SR 10 SPD 880 - 0.9 -H*

*RoHS-Compliant



Description

Wavelength range: infrared, selective; AlGaAs / GaAs technology. Ideal for sensor applications, optical communications, safety equipment and light barriers. Available in 8 mm blister tape.



Features and Benefits

- Narrow response range (880 nm peak)
- Chip on PCB, surface mounting device
- End to end and
 - side to side stackable down to a pitch of 1.6 mm

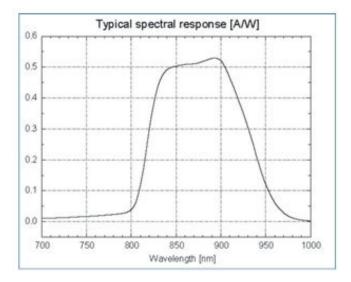


Maximum Ratings at 25° C		
Storage temperature	Tst	-25° C to 120° C
Operating temperature	Top	-25° C to 80° C
Soldering temperature	Tsold (5 S)	240° C

Characteristics at 25° C

	Symbol	Min.	Тур.	Max.	Unit	Conditions
Active area	A		0.73		mm ²	
Peak sensitivity	λSmax		890		nm	V _R = 0 V
Spectral range at 0.5 max.	λ0.5	820		935	nm	VR = 0 V
Responsivity at 880 nm	Sλ		0.5		A/W	V _R = 0 V
Spectral bandwidth at 50 %	Δλ0.5		115		nm	V _R = 0 V
Dark current	lo		1	10	pА	V _R = 1 V, E _e = 0
Reverse voltage	VR	5			V	IR = 10 μA
Switching time	Tr, tr		175		ns	RL = 50 Ω, VR = 5 V

Figure 1



Orientation of taped parts: anode to perforation

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