

**FEATURES**

- 10.0 mm square active area
- Low capacitance
- Long term stability
- High NIR sensitivity

**DESCRIPTION**

100 mm<sup>2</sup> Low Capacitance PIN Photodiode. Surface mount packaged with clear epoxy encapsulant.

**APPLICATIONS**

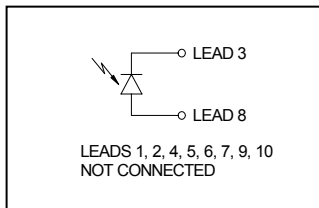
- Laser detection
- Instrumentation
- Optical remote control
- Pulsed light sensor



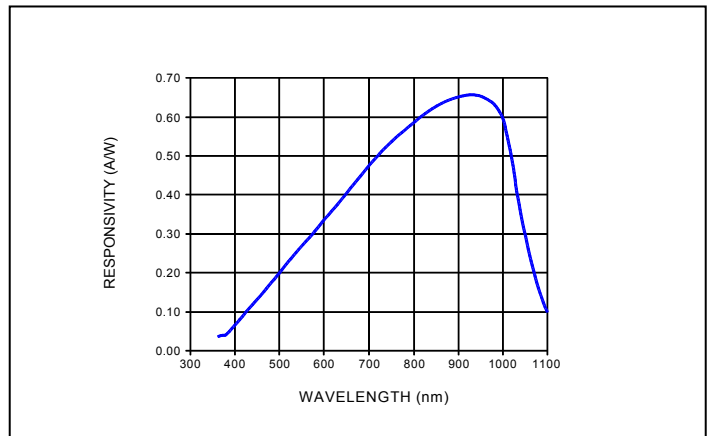
**ABSOLUTE MAXIMUM RATING**

SYMBOL	PARAMETER	MIN	MAX	UNITS
T <sub>STG</sub>	Storage Temp	-20	+80	°C
T <sub>OP</sub>	Operating Temp	-20	+60	°C
V <sub>R(OP)</sub>	Reverse Operating Voltage	-	50	V
I <sub>(PEAK)</sub>	Peak DC Current	-	10	mA

**SCHEMATIC**



**SPECTRAL RESPONSE**



**ELECTRO-OPTICAL CHARACTERISTICS @ 22° C**

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	MIN	TYP	MAX	UNITS
I <sub>D</sub>	Dark Current	V <sub>R</sub> = 12 V	---	5.0	---	nA
C	Capacitance	V <sub>R</sub> = 12 V	---	80	---	pF
	Responsivity	V <sub>R</sub> = 0 V; λ = 950 nm	---	0.65	---	A/W
		V <sub>R</sub> = 0 V; λ = 1064 nm	---	0.20	---	
NEP	Noise Equivalent Power	V <sub>R</sub> = 12 V; λ = 850 nm; R <sub>L</sub> = 50 Ω	---	3.0 × 10 <sup>-14</sup>	---	W/Hz <sup>1/2</sup>
V <sub>BR</sub>	Breakdown Voltage	I <sub>R</sub> = 10 μA	30	---	---	V
t <sub>r</sub>	Rise Time	V <sub>R</sub> = 12 V; λ = 850 nm; R <sub>L</sub> = 50 Ω	---	50	---	ns

Disclaimer: Due to our policy of continued development, specifications are subject to change without notice. Package is not suitable for reflow soldering.

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