

Hermetic package

speed, low capacitance, photoconductive NIR applications. Packaged in a hermetic

TO-5 metal can with a flat window cap. ABSOLUTE MAXIMUM RATING (TA=25°C unless otherwise noted)

SYMBOL PARAMETER UNITS MIN MAX VBR **Reverse Voltage** 100 v T_{STG} +100 °C Storage Temperature -55 -40 °C То **Operating Temperature Range** +80 Ts Soldering Temperature* +240 °C Light Current 0.5 mΑ L,

Industrial controls

SPECTRAL RESPONSE

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WAVELENGTH (nm)

RESPONSIVITY (AW)

*1/16 inch from case for 3 secs max

ELECTRO-OPTICAL CHARACTERISTICS (TA=25°C unless otherwise noted)

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	MIN	TYP	MAX	UNITS
lsc	Short Circuit Current	H = 100 fc, 2850 K	36	50		m A
ΙD	Dark Current	$H = 0, V_{_{\rm R}} = 10 \text{ V}$		1.0	5.0	nA
Rsн	Shunt Resistance	$H = 0, V_{_{\rm R}} = 10 \text{ mV}$.5	2.0		GΩ
TC Rsh	RSH Temp. Coefficient	$H = 0, V_{_{\rm R}} = 10 \text{ mV}$		-8		%/℃
Cu	Junction Capacitance	$H = 0, V_{_{\rm R}} = 10 V^{**}$		11		pF
λrange	Spectral Application Range	Spot Scan	700		1100	nm
λρ	Spectral Response - Peak	Spot Scan		950		nm
VBR	Breakdown Voltage	l = 10 m A	100	125		V
N EP	Noise Equivalent Power	V _R = 10 V @ Peak		2.0x10 ⁻¹⁴		W/ \sqrt{Hz}
tr	Response Time	$RL = 1 K\Omega V_{R} = 50 V$		12		nS

Information in this technical data sheet is believed to be correct and reliable. However, no responsibility is assumed for possible inaccuracies or omission. Specifications are subject to change without notice.** f = 1 MHz