

- Hermetic package

light rejection optical filter. Ideal for high speed, low capacitance, photoconductive NIR applications. Packaged in a hermetic

TO-8 metal can with a flat window cap. ABSOLUTE MAXIMUM RATING (TA=25°C unless otherwise noted)

SYMBOL PARAMETER MIN MAX UNITS Vbr Reverse Voltage 100 V T_{STG} +100 °C Storage Temperature -55 °C То **Operating Temperature Range** -40 +80 Ts Soldering Temperature* +240 °C Light Current 1.0 mΑ L,

- Photo-interrupters
- Industrial controls

SPECTRAL RESPONSE

0.7							//	5		
0.6				0%			/			
0.5			~			1	_			
0.4		đ	Ý	r_		⊢			t	
0.3						\mathbf{H}			H	
0.2	\sim					/				_
0.1										
0	061	300	400	009	000	007	800	006	1000	1200

RESPONSIVITY (AW)

WAVELENGTH (nm)

*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	360	414		mA
ΙD	Dark Current	$H = 0, V_{R} = 10 V$		5	15	nA
Rsн	Shunt Resistance	$H = 0, V_{R} = 10 \text{ mV}$	65	120		MΩ
TC Rsh	RSH Temp. Coefficient	$H = 0, V_{R} = 10 \text{ mV}$		-8		%/℃
CJ	Junction Capacitance	$H = 0, V_{R} = 10 V^{**}$		75		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	VR = 10 V @ Peak		8x10 ⁻¹³		W/ √ Hz
tr	Response Time	$RL = 1 K\Omega V_{R} = 50 V$		20		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