

- Match to I.R. emitters
- Hermetic package
- light rejection optical filter. Ideal for low

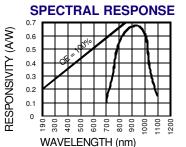
noise, photovoltaic NIR applications. Packaged in a hermetic TO-5 metal can with a flat window cap.

• Photo-interrupters

Industrial controls

ABSOLUTE MAXIMUM R	ATING (TA=25	⁵⁰ C unless o	therwise noted)

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SYMBOL	PARAMETER	MIN	MAX	UNITS
VBR	Reverse Voltage		100	V
T _{stg}	Storage Temperature	-55	+100	°C
To	Operating Temperature Range	-40	+80	°C
Ts	Soldering Temperature*		+240	°C
l	Light Current		0.5	mA



*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	180	207		mA
ΙD	Dark Current	H = 0, V _R = 10 V		335	550	pА
Rsн	Shunt Resistance	$H = 0, V_{_{\rm R}} = 10 \text{ mV}$.2	1		GΩ
TC Rsh	RSH Temp. Coefficient	$H = 0, V_{_{\rm R}} = 10 \text{ mV}$		-8		%/℃
CJ	Junction Capacitance	$H = 0, V_{_{\rm R}} = 0 V^{**}$		2000		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	30	50		V
N EP	Noise Equivalent Power	V _R = 10 mV @ Peak		2x10 ⁻¹⁴		W/ \sqrt{Hz}
tr	Response Time	$RL = 1 K\Omega V_{R} = 0 V$		900		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