



FEATURES

Dimensions are in inch [metric] units.

- Circular active area (4 quadrants)
- TO-5, 5 pin package
- 100% internal QE

ELECTRO-OPTICAL CHARACTERISTICS AT 25°C (PER ELEMENT)

PARAMETERS	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Active Area	R.049 [1.25 mm]		1.25		mm ²
Responsivity, \mathcal{R}	See attached graph				
Shunt Resistance, Rsh	@ ± 10 mV	100			MOhms
Reverse Breakdown Voltage, V_R	$I_R = 1 \mu A$	20			Volts
Capacitance, C	$V_R = 0$ V			500	Volts
Response Time, tr	$RL = 500 \Omega, V_R = 0$ V		1		μsec

THERMAL PARAMETERS

STORAGE AND OPERATING TEMPERATURE RANGE	
Ambient	-10° TO 40°C
Nitrogen or Vacuum	-20°C TO 80°C
Maximum Junction Temperature	70°C
Lead soldering temperature ¹	260°C

¹0.080" from case for 10 seconds.

Shipped with temporary cover to protect photodiode and wire bond.
Review Opto Diode "Handling Precautions for IRD Detectors" prior to removing cover.



750 Mitchell Road, Newbury Park, California 91320
Phone: (805) 499-0335, Fax: (805) 499-8108
Email: sales@optodiode.com, Website: www.optodiode.com

