



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	$R_L = 500 \Omega, V_R = 0$ 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.



