



FEATURES

- Ideal for electron detection
- Large detection area
- 100% internal QE

Dimensions are in inch [metric] units.

ELECTRO-OPTICAL CHARACTERISTICS AT 25°C

| PARAMETERS | TEST CONDITIONS | MIN | TYP | MAX | UNITS |
|-------------------------------------------|-------------------------------------------|-----|-----|-----|-----------------|
| Active Area | 10mm x 10mm | | 100 | | mm ² |
| Responsivity, \mathcal{R} | (see graphs on next page) | | | | A/W |
| Shunt Resistance, R _{sh} | V _B = ±10mV | 10 | 50 | | M-ohm |
| Reverse Breakdown Voltage, V _R | I _R = 1μA | 5 | 10 | | Volts |
| Capacitance, C | V _R = 0V | | 10 | 44 | nF |
| Rise Time | V _R = 0V, R _L = 50Ω | | 10 | | usec |

THERMAL PARAMETERS

| | |
|-----------------------------------------|---------------|
| Storage and Operating Temperature Range | -40°C TO 70°C |
| Maximum Junction Temperature | 70°C |
| Lead Soldering Temperature ¹ | 260°C |

¹0.08" 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.

