

Quadrant Photodiode 5 mm²

FEATURES

- Circular Active Area (4 Quadrants)
- TO-5, 5 Pin Package

Electro-Optical Characteristics at 25°C (Per Element)

| Parameters | Test Conditions | Min | Тур | Max | Units |
|----------------------------------|----------------------------------|-----|------|-----|-----------------|
| Active Area | R.049 [1.25 mm] | | 1.25 | | mm ² |
| Responsivity | (see graph on next page) | | | | |
| Shunt Resistance, Rsh | @ ± 10 mV | 100 | | | MOhms |
| Reverse Breakdown Voltage, V_R | I _R = 1 μΑ | 20 | | | Volts |
| Capacitance, C | V _R = 0 V | | | 500 | pF |
| Response Time, tr | RL = 500 Ω, V _R = 0 V | | 1 | | µsec |

Thermal Parameters

| Storage and Operating Temperature Range | Units |
|---|---------------|
| Ambient | -10°C to 40°C |
| Nitrogen or Vacuum | -20°C to 80°C |
| Lead Soldering Temperature ¹ | 260°C |

¹ 0.08" 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.



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Typical Photon Responsivity



Package Information



Dimensions are in inches [metric] units.

Specifications are subject to change without prior notice.