



FEATURES

- SMA connector
- Ideal for electron detection
- Ultra high speed

Dimensions are in inch [metric] units.

ELECTRO-OPTICAL CHARACTERISTICS AT 25°C

| PARAMETERS | TEST CONDITIONS | MIN | TYP | MAX | UNITS |
|----------------------------------|---------------------------|-----|------|-----|-----------------|
| Active Area | Ø0.60mm | | 0.28 | | mm ² |
| Responsivity, \mathcal{R} | (see graphs on next page) | | | | |
| Reverse Breakdown Voltage, V_R | $I_R = 1\mu A$ | 55 | | | Volts |
| Junction Capacitance | $V_R = 0V$ | | | 100 | pF |
| ResonseTime | $V_R = 52V$ | | | 700 | psec |
| Dark Current | $V_R = 52V$ | | | 10 | nA |

THERMAL PARAMETERS

| STORAGE AND OPERATING TEMPERATURE RANGE | |
|---|---------------------------|
| Ambient ¹ | -10° TO 40°C ² |
| Nitrogen or Vacuum | -20°C TO 80°C |
| Maximum Junction Temperature | 70°C |
| Lead Soldering Temperature ² | 260°C |

¹Temperatures exceeding these parameters may create oxide growth on the active area. Over time responsivity to low energy radiation and wavelengths below 150nm will be compromised.

²0.080" from case for 10 seconds.

Maximum torque of 5 inch/pounds recommended.
Permanent damage will result if higher torque values are used and warranty is voided.

