



FEATURES

- SMA connector
- Ideal for electron detection
- 100% internal QE
- Ultra high speed

Dimensions are in inch [metric] units.

ELECTRO-OPTICAL CHARACTERISTICS AT 25°C

| PARAMETERS | TEST CONDITIONS | MIN | TYP | MAX | UNITS |
|----------------------------------|-----------------------------|-----|-----|-----|-----------------|
| Active Area | 1mm x 1mm | | 1 | | mm ² |
| Responsivity, \mathcal{R} | (see graphs on next page) | | | | A/W |
| Reverse Breakdown Voltage, V_R | $I_R = 1\mu A$ | 55 | | | Volts |
| Capacitance, C | $V_R = 0V$ | | | 40 | pF |
| Rise Time | $R_L = 50\Omega, V_R = 52V$ | | | 700 | psec |
| Dark Current | $V_R = 52V$ | 0 | | 1 | nA |

THERMAL PARAMETERS

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

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

