



FEATURES

- Single active area
- Detection to 1 nm
- Stable response after exposure to EUV/UV conditions
- Protective cover plate

Dimensions are in inch [metric] units.

ELECTRO-OPTICAL CHARACTERISTICS AT 25°C

| PARAMETERS | TEST CONDITIONS | MIN | TYP | MAX | UNITS |
|----------------------------------|-----------------------------|-----|-----|-----|-----------------|
| Active Area | 10 mm x 10 mm | | 100 | | mm ² |
| Responsivity, \mathcal{R} | (see graph on next page) | | | | |
| Shunt Resistance, R_{sh} | @ ± 10 mV | 10 | | | MOhms |
| Reverse Breakdown Voltage, V_R | $I_R = 1 \mu A$ | | 10 | | Volts |
| Capacitance, C | $V_R = 0V$ | | 6 | | nF |
| Response Time, t_r | $R_L = 50\Omega, V_R = 15V$ | | 250 | | nsec |

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 |

¹0.08" from case for 10 seconds

