

FEATURES

- Rectangle Active Area
- Large Detection Area
- 2 Anode and Cathode Pins
- Ideal for Electron Detection
- No Window for Extended Response to Below 200 nm

Electro-Optical Characteristics at 25°C

| Parameters | Test Conditions | Min | Typ | Max | Units |
|------------------------------------|---------------------------------|-----|-----|-----|-----------------|
| Active Area | 21.56 mm x 15.36 mm | | 331 | | mm ² |
| Responsivity | (see graphs on next page) | | | | |
| Conductive Current, I _C | V _f = 0.8 V | 1 | | | mA |
| Breakdown Voltage, V _R | I _R = 1 μA | 5 | 25 | | Volts |
| Capacitance, C | V _R = 10 V | | 25 | 40 | nF |
| Response Time, tr | RL = 50 Ω, V _R = 0 V | | 15 | | usec |
| Shunt Resistance | @ ± 10 mV | 5 | | | MOhms |

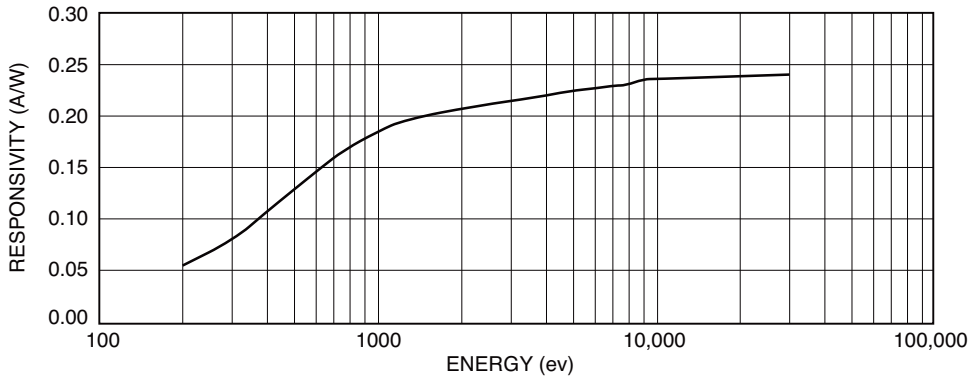
Thermal Parameters

| Storage and Operating Temperature Range | Units |
|---|---------------|
| Ambient ¹ | -10° to 40°C |
| Nitrogen or Vacuum | -20°C to 80°C |
| Lead Soldering Temperature ² | 260°C |

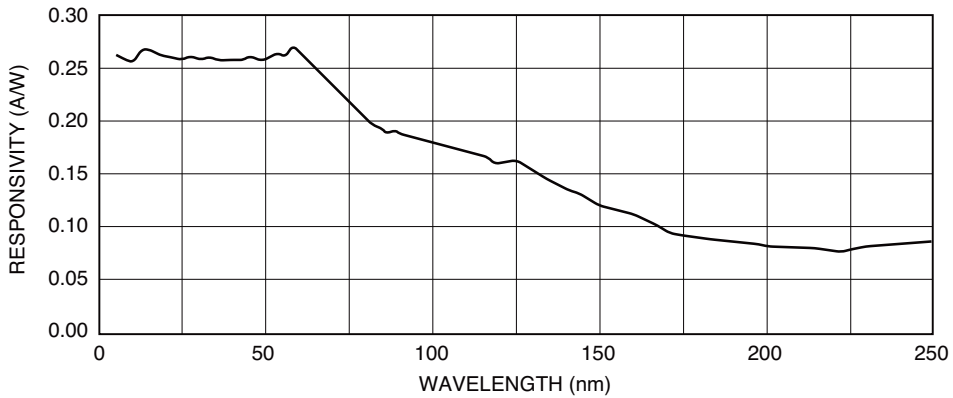
¹ Temperatures exceeding these parameters may create oxide growth on the active area.
 Over time responsivity to low energy radiation and wavelengths below 150 nm will be compromised.

² 0.080" from case for 10 seconds.

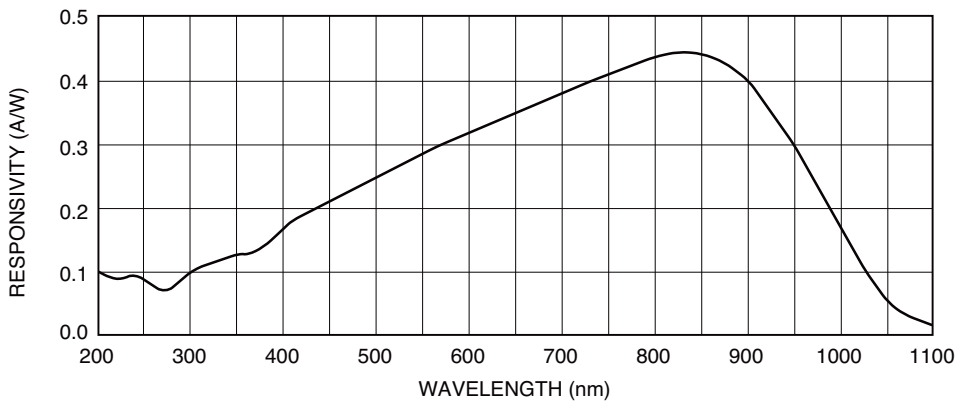
Typical Electron Response



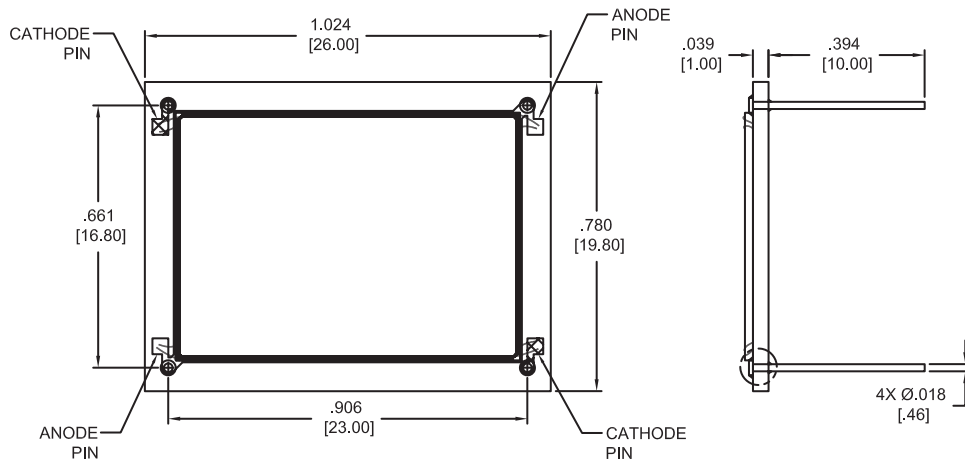
Typical EUV-UV Photon Response



Typical UV-VIS-NIR Photon Responsivity



Package Information



Dimensions are in inch [metric] units.

Specifications are subject to change without prior notice.