



FEATURES

- SSMA Connector
- Ideal for Electron Detection
- Ultra-High Speed

Electro-Optical Characteristics at 25 °C

Parameters	Test Conditions	Min	Typ	Max	Units
Active Area	0.029 mm x 0.029 mm		0.0008		mm ²
Responsivity	(see graphs on next page)				
Reverse Breakdown Voltage, V _R	I _R = 1 μA	55			Volts
Capacitance, C	V _R = 0 V		1	3	pF
Rise Time	R _L = 52 V, R _L = 50 Ω		50		psec
Dark Current	V _R = 52 V		0.5	10	nA

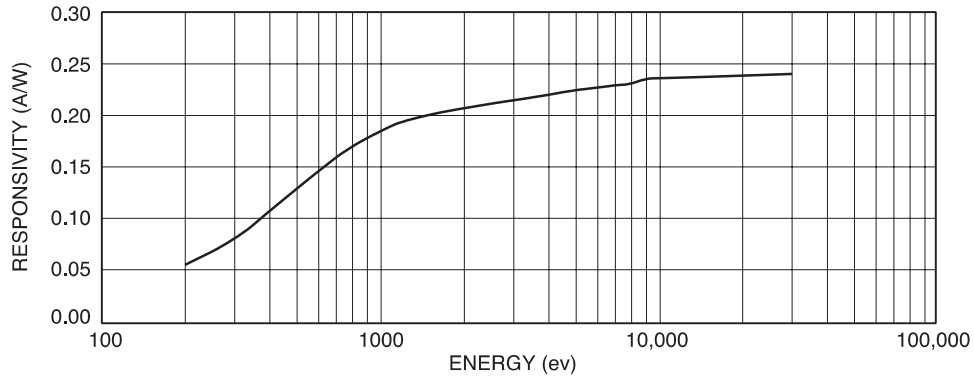
Thermal Parameters

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

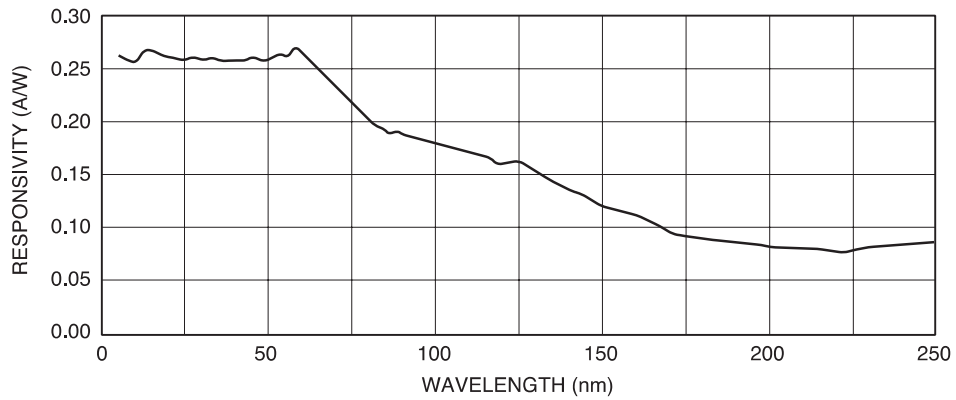
¹ Temperatures exceeding these parameters may create oxide growth on the active area.
 Over time responsivity to low energy radiation and wavelengths below 150 nm will be compromised.

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

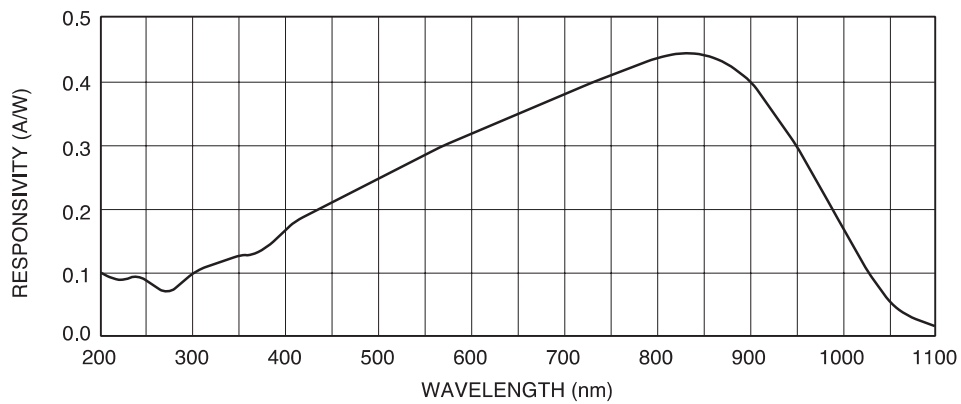
Typical Electron Response



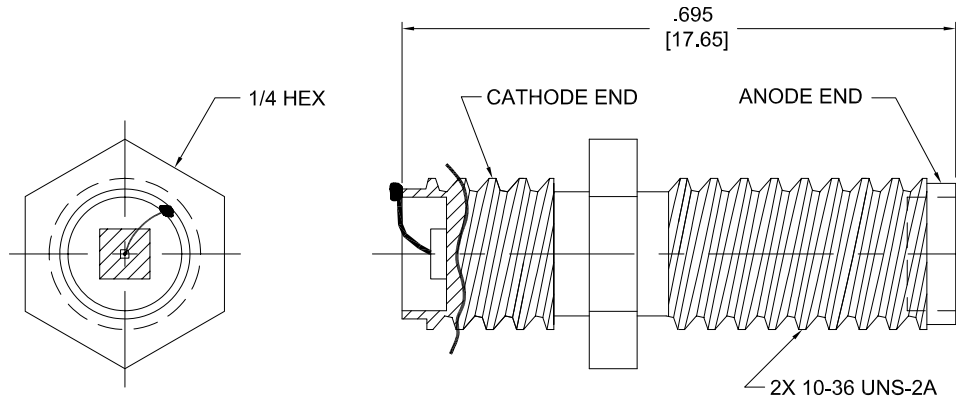
Typical EUV-UV Photon Response



Typical UV-VIS-NIR Photon Responsivity



Package Information



Dimensions are in inch [metric] units.

Specifications are subject to change without prior notice.