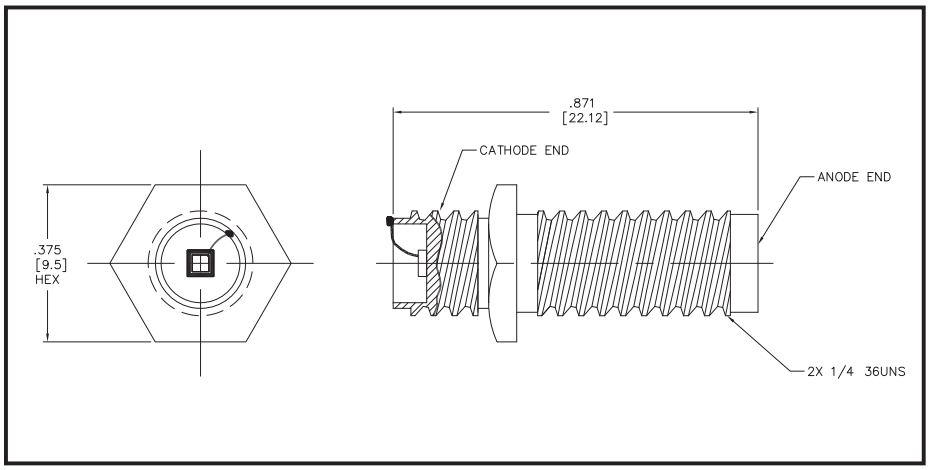


FEATURES

- 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 = 1µA	55			Volts
Capacitance, C	V_R = 0V			40	pF
Rise Time	RL = 50Ω, 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
Lead Soldering Temperature[2]	260°

[1] Temperatures 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.

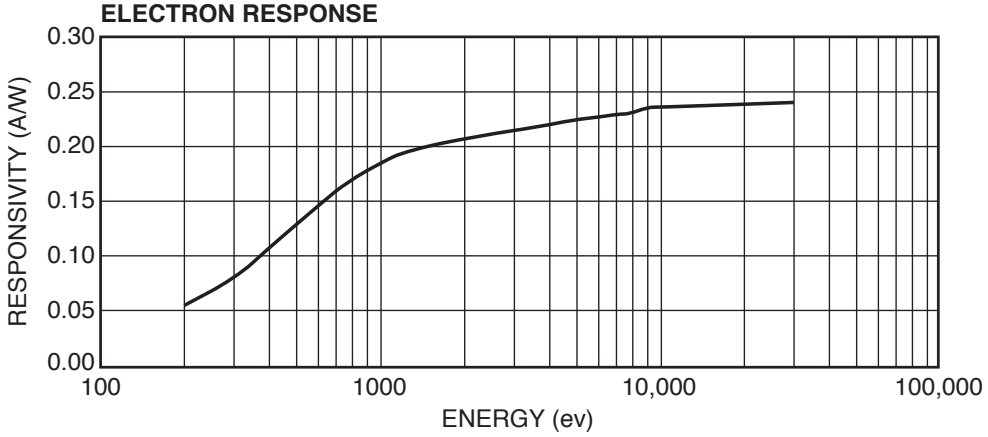
[2] 0.08" from case for 10 seconds.

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

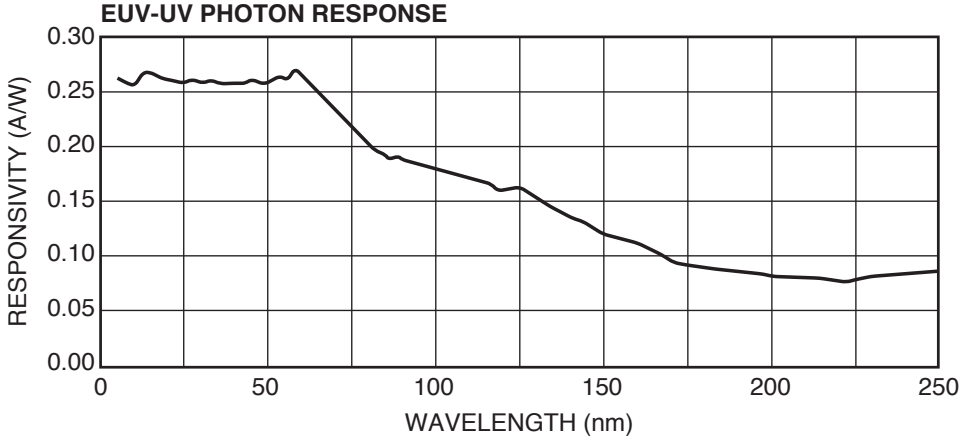
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Revision December 9, 2014

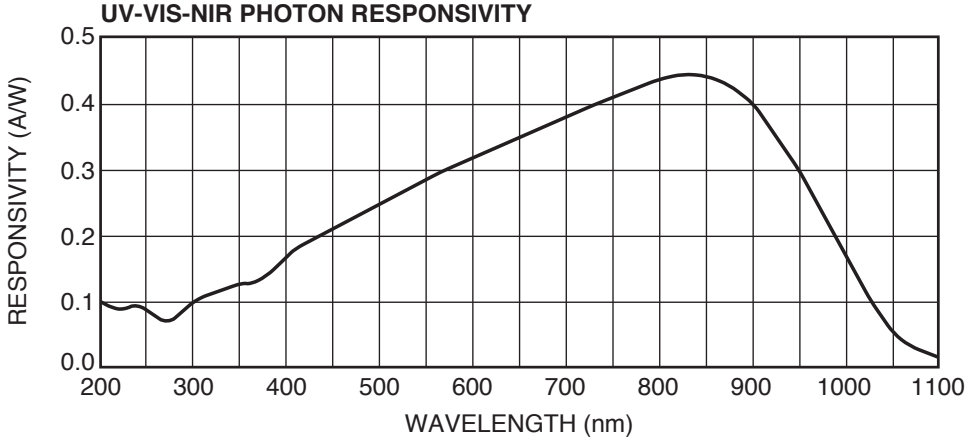
ELECTRON RESPONSE



EUV-UV PHOTON RESPONSE



UV-VIS-NIR PHOTON RESPONSIVITY



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