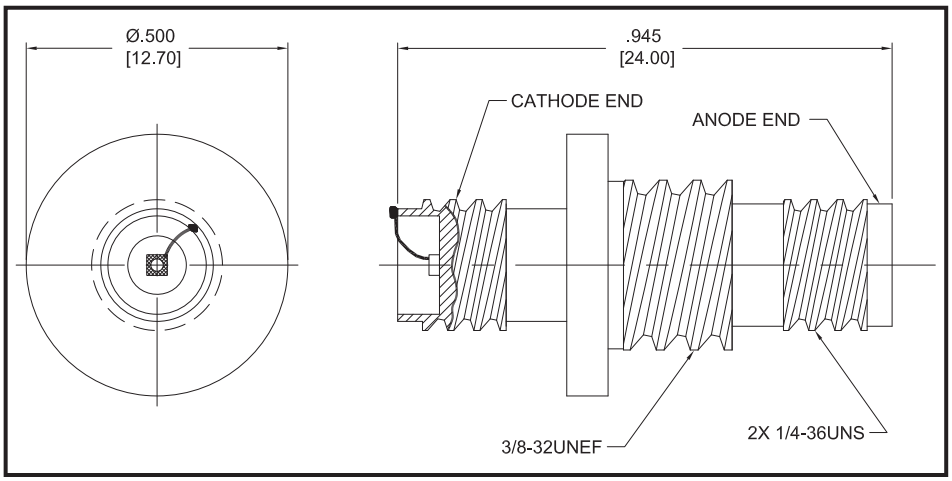

FEATURES

- 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	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

[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.

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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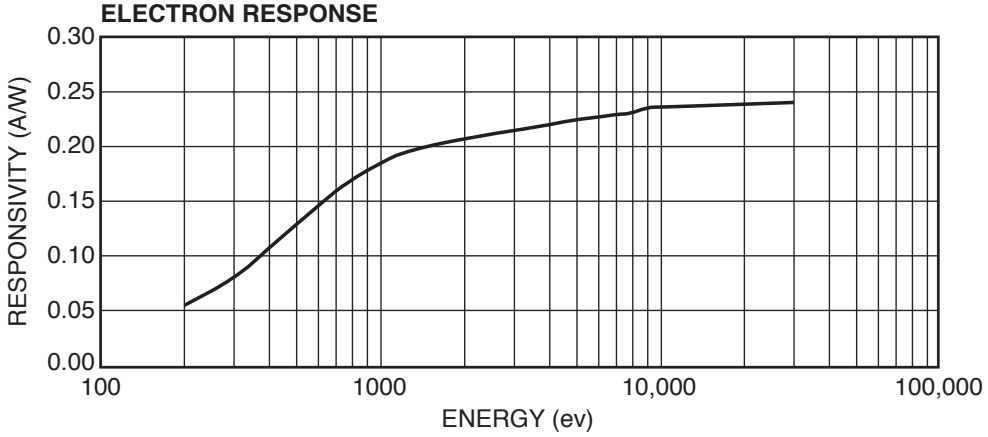
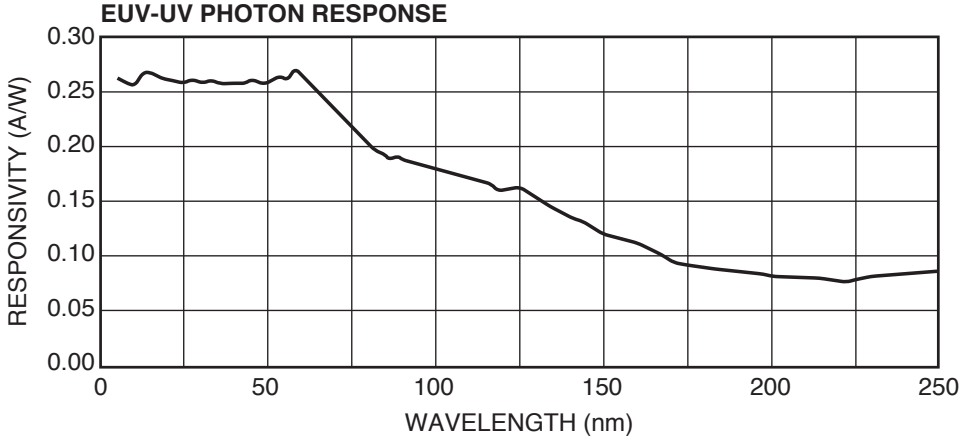
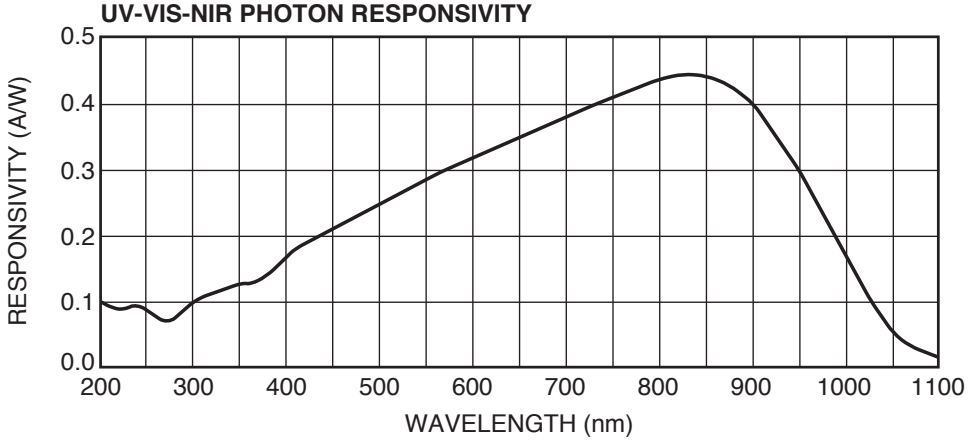
ELECTRON RESPONSE



EUV-UV PHOTON RESPONSE



UV-VIS-NIR PHOTON RESPONSIVITY



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