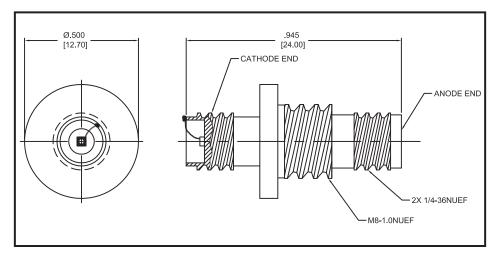
PHOTODIODE 1 mm² AXUVHS5



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, 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	$RL = 50\Omega$, $V_R = 52V$			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

¹Temperatures 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.



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