



**FEATURES**

- Square active area
- Round 4 pin package
- Ideal for electron detection
- 100% internal QE

Dimensions are in inch [metric] units.

**ELECTRO-OPTICAL CHARACTERISTICS AT 25°C**

PARAMETERS	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Active Area	24.01mm x 24.01mm		576.5		mm <sup>2</sup>
Responsivity, $\mathcal{R}$	(see graphs on next page)				
Shunt Resistance, Rsh	@±10mV	5	50		MOhm
Reverse Breakdown Voltage, $V_R$	$I_R = 1\mu A$	5			Volts
Capacitance, C	$V_R = 0V$			120	nF
Rise Time, tr	$V_R = 10V, R_L = 50\Omega$			50	usec

**THERMAL PARAMETERS**

STORAGE AND OPERATING TEMPERATURE RANGE	
Ambient <sup>2</sup>	-10° TO 40°C
Nitrogen or Vacuum	-20°C TO 80°C
Maximum Junction Temperature	70°C
Lead Soldering Temperature <sup>1</sup>	260°C

<sup>1</sup>0.08" from case for 10 seconds.

<sup>2</sup>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.

