



**FEATURES**

- Circular active area
- 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	Ø5.5mm		23		mm <sup>2</sup>
Responsivity, $\mathcal{R}$	(see graphs on next page)				
Shunt Resistance	$V_f = \pm 10\text{mV}$	100			MOhm
Reverse Breakdown Voltage, $V_R$	$I_R = 1\mu\text{A}$		10		Volts
Capacitance, C	$V_R = 10\text{V}$		0.2	2	pF
Rise Time	$V_R = 0\text{V}, R_L = 50\Omega$		2		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.

