



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 ²
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 ²	-10° TO 40°C
Nitrogen or Vacuum	-20°C TO 80°C
Maximum Junction Temperature	70°C
Lead Soldering Temperature ¹	260°C

¹0.08" from case for 10 seconds.

²Temperatures 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.

