



**FEATURES**

- Circular active area
- Ideal for electron detection
- 100% internal QE
- TO-8 package

Dimensions are in inch [metric] units.

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

PARAMETERS	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Active Area <sup>1</sup>	Ø 4.9 mm		19		mm <sup>2</sup>
Responsivity, $\mathcal{R}$	(see graph on next page)				A/W
Reverse Breakdown Voltage, $V_R$	$I_R = 1 \mu A$		9		Volts
Capacitance, C	$V_R = 0 V$		4	10	nF
Rise Time	$R_L = 50 \Omega, V_R = 0 V$	0.8	1.7	3.3	usec
Shunt Resistance	$V_f = \pm 10 mV$	50	200		MOhms

<sup>1</sup>Die active area = Ø 5.5 mm, aperture size = Ø 4.9 mm

**THERMAL PARAMETERS**

Storage Temperature Range	-20° TO 100°C
Operating Temperature Range	-20°C TO 80°C
Maximum Junction Temperature	100°C
Lead Soldering Temperature <sup>2</sup>	240°C

<sup>2</sup>1/16" from case for 10 seconds

