



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 ¹	Ø 4.9 mm		19		mm ²
Responsivity, \mathcal{R}	(see graph on next page)				A/W
Reverse Breakdown Voltage, V_R	$I_R = 1 \mu A$		20		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
Dark Current	$V_R = 13 V$			30	nA

¹Die 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 ²	240°C

