



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 ²
Responsivity, \mathcal{R}	(see graphs on next page)				
Shunt Resistance, R _{sh}	@±10mV	5	50		MOhm
Reverse Breakdown Voltage, V _R	I _R = 1μA	5			Volts
Capacitance, C	V _R = 0V			120	nF
Rise Time, tr	V _R = 10V, R _L = 50Ω			50	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.

AXUV576C Electron Detection 576 mm²



750 Mitchell Road, Newbury Park, California 91320
 Phone: (805) 499-0335, Fax: (805) 499-8108
 Email: sales@optodiode.com, Website: www.optodiode.com

