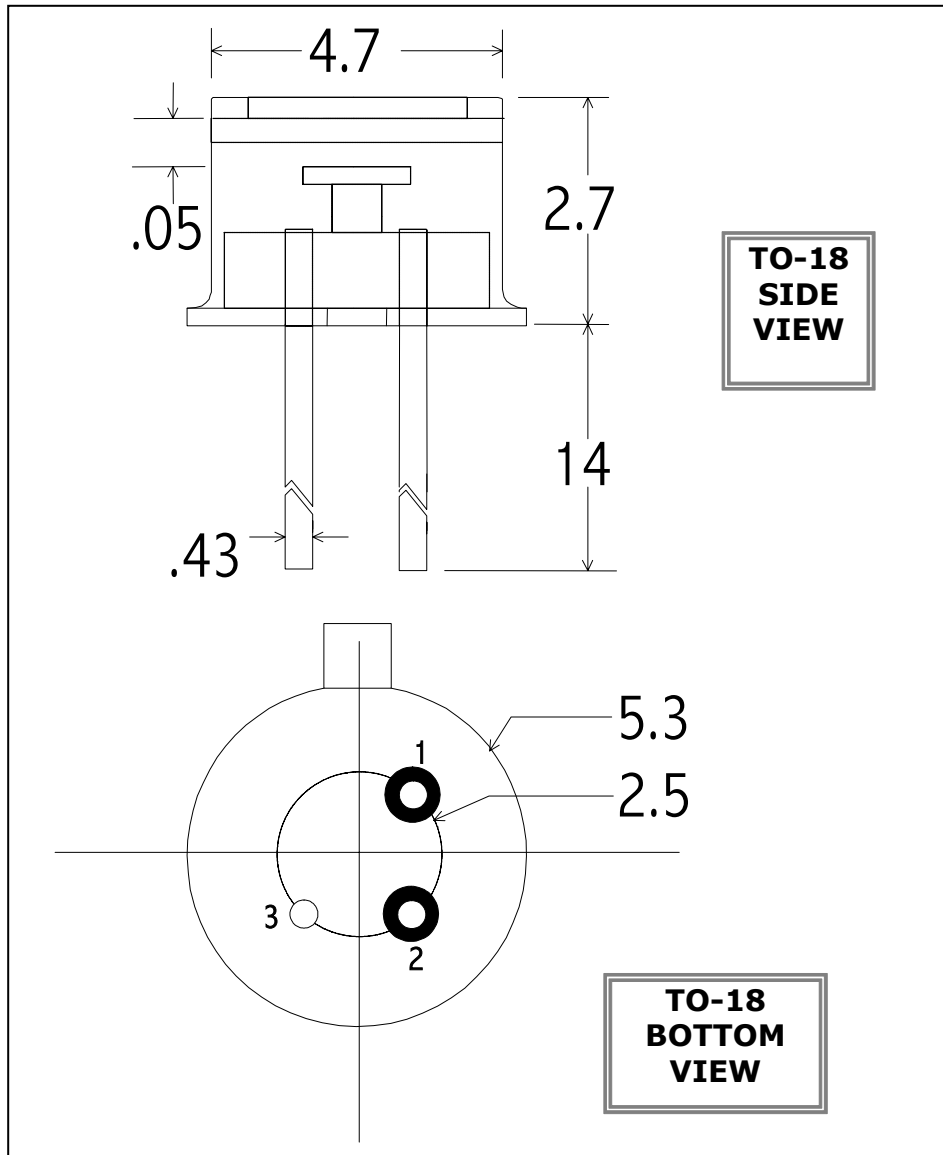


## IGA - SERIES DETECTORS



### PIN OUT

- 1 = ANODE
- 2 = CATHODE
- 3 = CASE

### Note:

Dimensions in millimeters

### Application Note

**ELECTRO OPTICAL SYSTEMS** offers room temperature InGaAs photodiode detectors for operation in the 1.0 - 1.7  $\mu\text{m}$  spectral range. The units have state-of-the-art sensitivity and may be supported by accessories such as optical filters (longpass and bandpass), integral preamplifiers, and fiber optic connectors. These units find applications in industrial control systems, gas analyzers, thermal sensors, and general fiber optic test instrumentation.

### SPECIFICATIONS @ 23° C

Part Number	IGA - 001	IGA - 003	IGA - 010
Active Area	0.1 mm dia	0.3 mm dia	1 mm dia
Operating Wavelength - $\mu\text{m}$	1.0 - 1.7		
Shunt Resistance ( $\text{M}\Omega$ )	> 1000	> 500	> 100
Shunt Capacitance (pF), typ	1 (-5V)	5 (-5V)	50. (-5V)
Dark Current (nA), typ, max	.2, 1 (-5V)	1, 5 (-5V)	2, 10 (-5V)
Responsivity (A/W)	0.90 @ 1.3 $\mu\text{m}$		