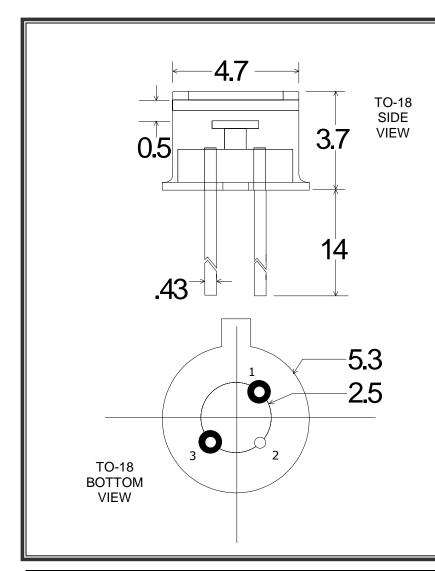


IGA1.9 - SERIES DETECTOR



PIN OUT

1 = CATHODE

2 = CASE

3 = ANODE

Note:

Dimensions in millimeters

Application Note

ELECTRO OPTICAL SYSTEMS

offers room temperature InGaAs photodiode detectors operation in the 1.0 – 2.1 μm spectral range. The units have state-of-the-art sensitivity and be supported may 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	
Part Number	IGA1.9 - 010
Active Area	1.0 mm dia
Operating Wavelength - μm	1.2 - 2.1
Shunt Resistance (Ω), 0V	> 100k
Shunt Capacitance (pF), typ, 0V	120
Dark Current, -1V, nA typ.	500.
Responsivity (A/W) @ 1.9 μm	1.2
NEP (W/Hz ^½) @ 2.2 μm, 100Hz	< 4.0 x 10 ⁻¹³

RoHS Compliant