

IGA1.9 - SERIES DETECTOR

TO-18
SIDE
VIEW

TO-18
BOTTOM
VIEW

PIN OUT

1 = CATHODE
2 = CASE
3 = ANODE

Note:
Dimensions in millimeters

Application Note

ELECTRO OPTICAL SYSTEMS offers room temperature InGaAs photodiode detectors for operation in the 1.0 - 2.1 μm 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

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^{1/2}) @ 2.2 μm, 100Hz	< 4.0 x 10⁻¹³

RoHS Compliant