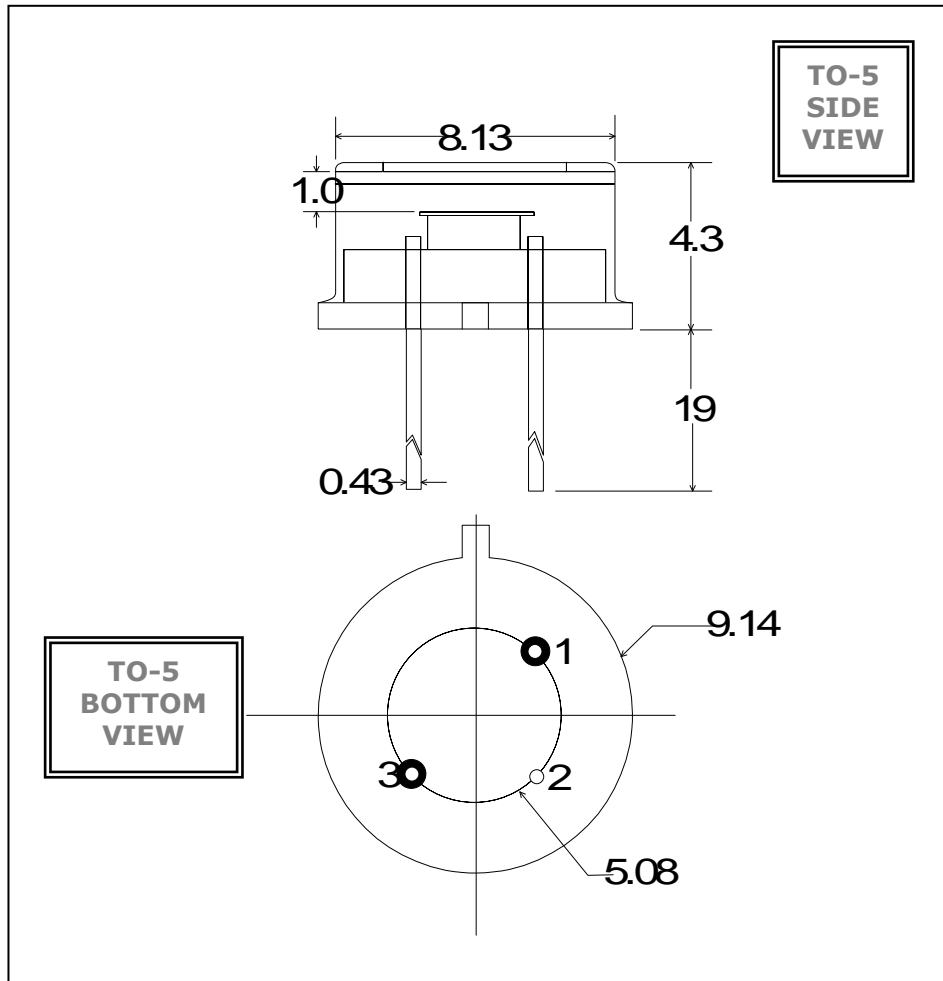


## G - SERIES PHOTODIODES



### PIN OUT

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

### Note:

Dimensions in millimeters

### Application Note

**ELECTRO OPTICAL SYSTEMS** offers room temperature photodiode detectors. 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	<b>G - 030</b>
Active Area	<b>3.0 mm dia</b>
Operating Wavelength - $\mu\text{m}$	<b>0.8 - 1.8</b>
Shunt Resistance ( $\Omega$ )	$\geq 40\text{k}$
Shunt Capacitance (pF), typ	<b>4000</b>
Dark Current, -1V	<b>4.0 <math>\mu\text{A}</math></b>
Responsivity (A/W) @ 1.5 $\mu\text{m}$	<b>0.90</b>
Max Reverse Voltage	<b>-3V</b>
NEP ( $\text{W}/\text{Hz}^{1/2}$ ), @ 1.5 $\mu\text{m}$ , 100 Hz	$< 7 \times 10^{-13}$
Operating/Storage Temp	<b>0 C to +65 C</b>

**RoHS COMPLIANT**