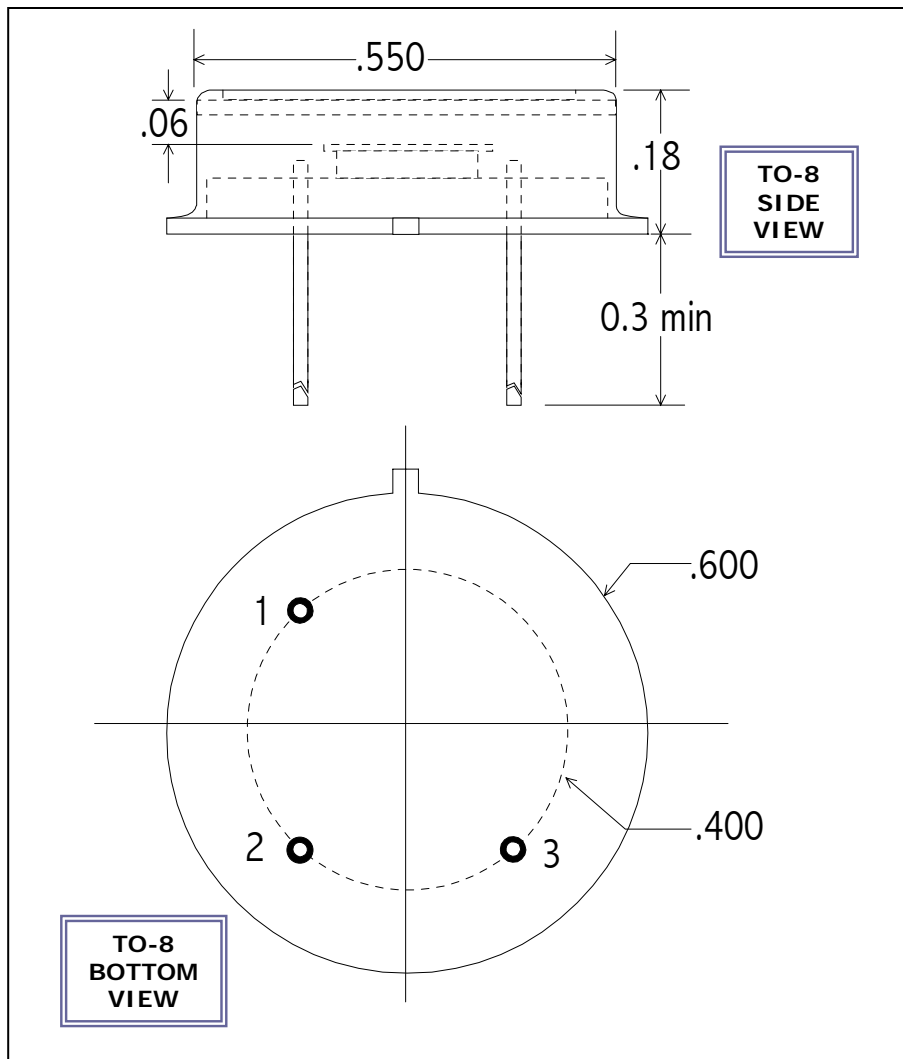


SILICON PHOTODIODES



PIN OUT

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

Note:

Dimensions in inches

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 infrared source assemblies. These units find applications in industrial control systems, gas analyzers, thermal sensors, and general infrared instrumentation.

SPECIFICATIONS

Par Number	S - 050	UVS - 050
Active Diameter (mm)	5	5
Operating Wavelength (nm)	350 - 1100	200 - 1100
Shunt Resistance (MΩ)	200	50
Shunt Capacitance (pF)	1500 typ	1000 typ
Responsivity (A/W)	0.55 @ 850 nm	0.5 @ 800 nm
NEP (W/Hz ^{1/2})	< 1.5 x 10 ⁻¹⁴ @ 850 nm	< 3.0 x 10 ⁻¹⁴ @ 700 nm