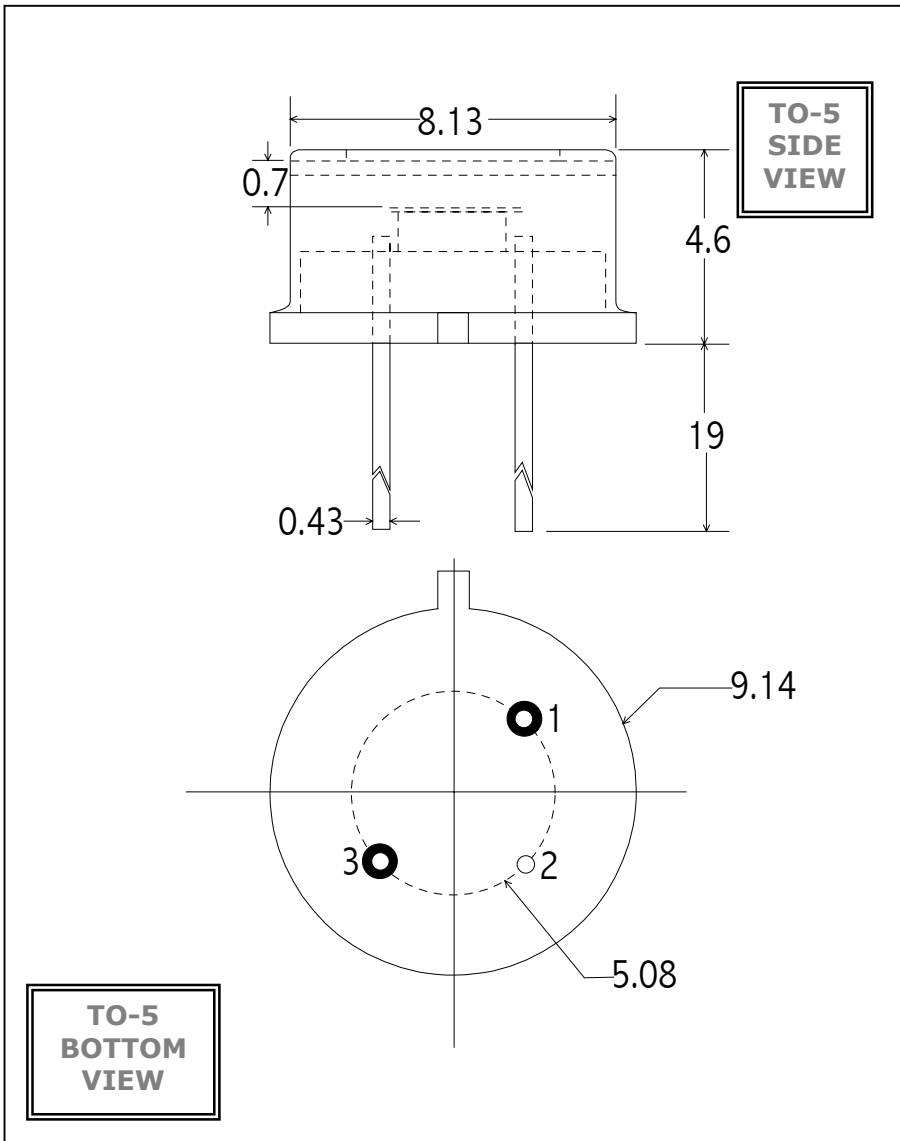


SILICON PHOTODIODES



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

Part Number	S - 025	UVS - 025
Active Diameter (mm)	2.5 mm	2.5 mm
Operating Wavelength - nm	300 - 1000	200 - 1000
Shunt Resistance (Ω)	500 M	200 M
Shunt Capacitance (pF) - typ	400	300
Responsivity (A/W) - min	.55 @ 850 nm	.50 @ 800 nm
NEP (W/Hz ^{1/2}) - @ 100Hz	<1.0 X 10 ⁻¹⁴	<1.5 X 10 ⁻¹⁴