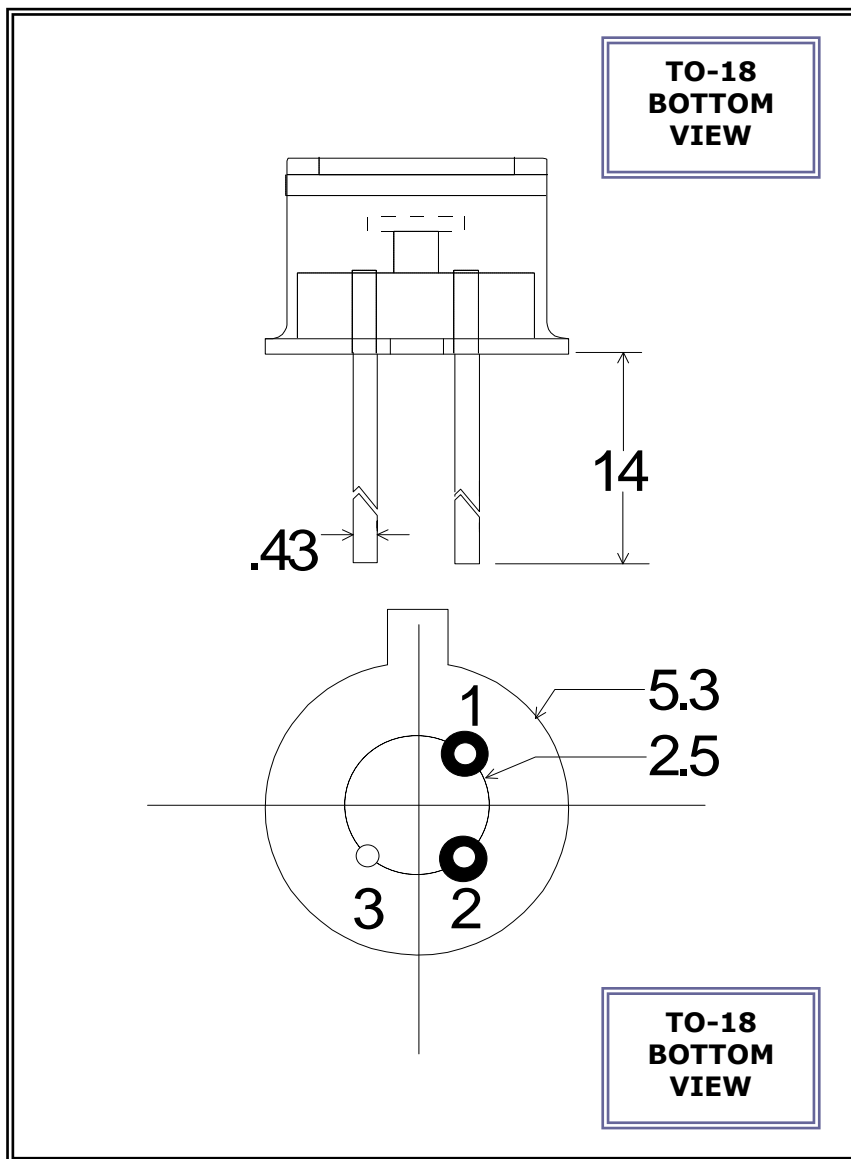


SILICON PHOTODIODES



PIN OUT

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

Note:

Dimensions in millimeters

Application Note

ELECTRO OPTICAL SYSTEMS offers room temperature silicon photodiode detectors for operation in the 0.3 – 1.0 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	UVS – 010
Active Dia. (mm)	1.0
Operating Wavelength	200 – 1000 nm
Shunt Resistance ($M\Omega$)	500
Shunt Capacitance (pF), typ	50
Responsivity (A/W)	0.55 @ 800 nm
NEP ($W/Hz^{1/2}$) @ 800 nm, 1kHz	$< 10^{-14}$

RoHS Compliant