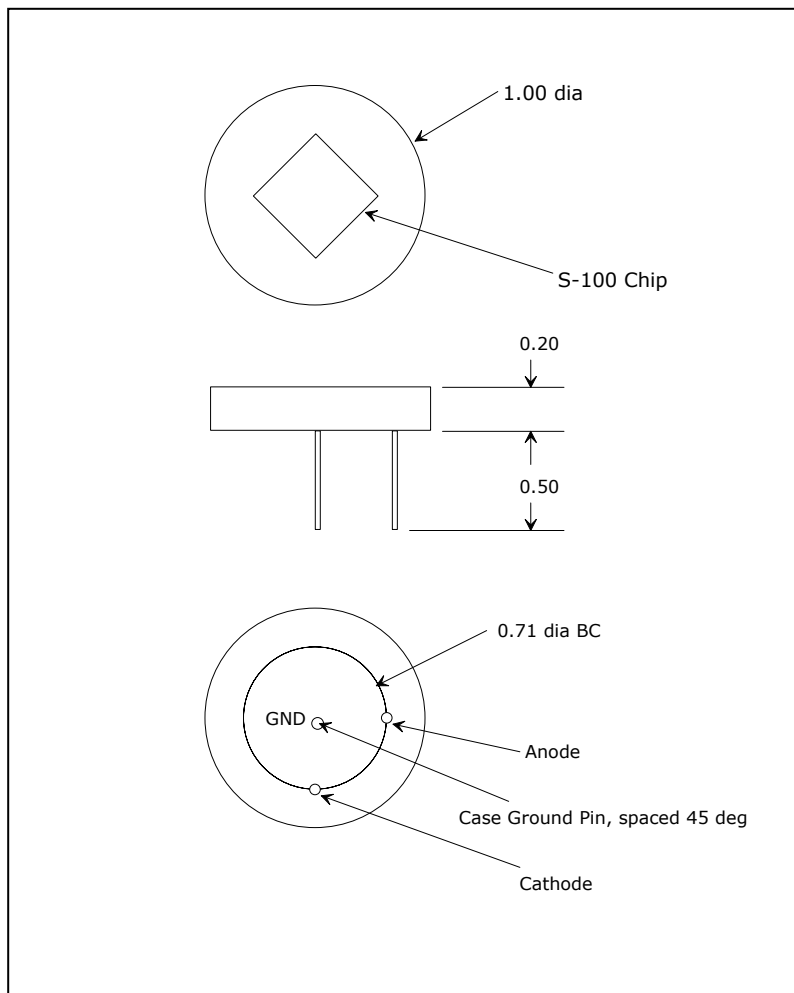




## S - SERIES PHOTODIODE



**Part No: S - 100**

### 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 FOR S-100 PHOTODIODE

Active Area (mm)	10 x 10
Operating Wavelength ( $\mu\text{m}$ )	0.3 - 1.1
Shunt Resistance ( $\Omega$ )	50M min
Shunt Capacitance (pF)	1000 typ
Responsivity (A/W)	0.6 @ 850 nm
NEP ( $\text{W}/\text{Hz}^{1/2}$ )	$< 6 \times 10^{-14}$ @ 850 nm