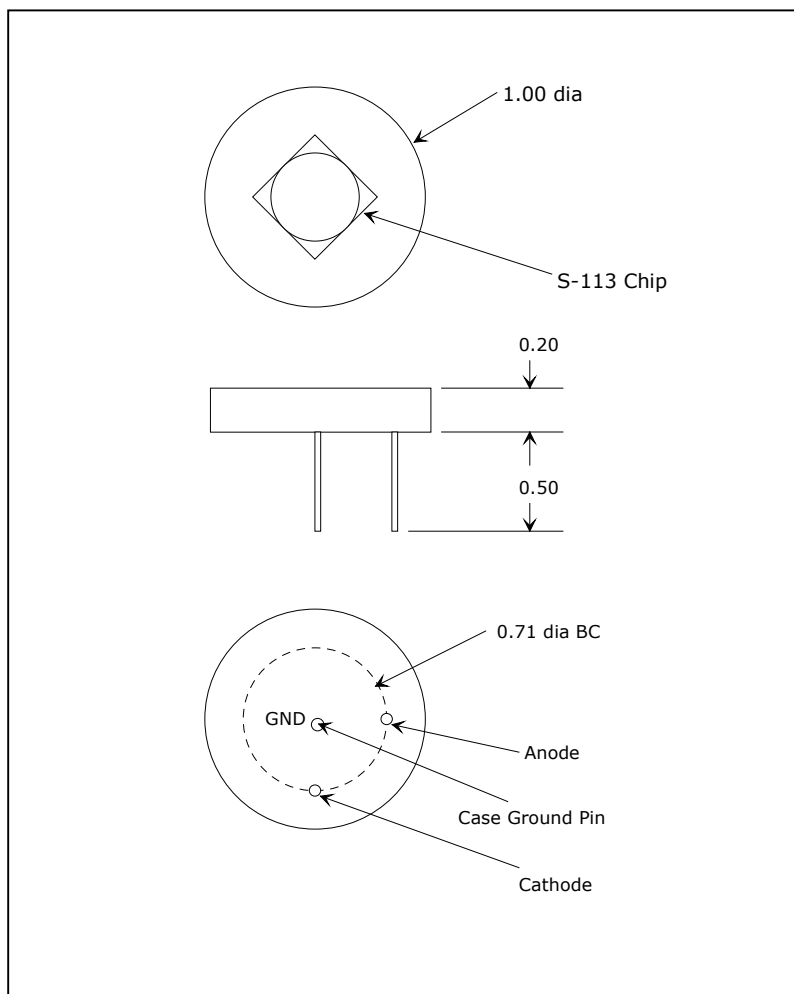


S - SERIES PHOTODIODES



Part Numbers:

S - 113
UVS - 113

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

Part Number	S - 113	UVS - 113
Active Area (mm)	11.3 dia	11.3 dia
Operating Wavelength (nm)	300 - 1100	200 - 1000
Shunt Resistance (MΩ)	200	10
Shunt Capacitance (pF)	9000	4000
Responsivity (A/W)	0.55 @ 850 nm	0.5 @ 800 nm
NEP (W/Hz ^{1/2})	< 1.5 x 10 ⁻¹⁴	< 1 x 10 ⁻¹³