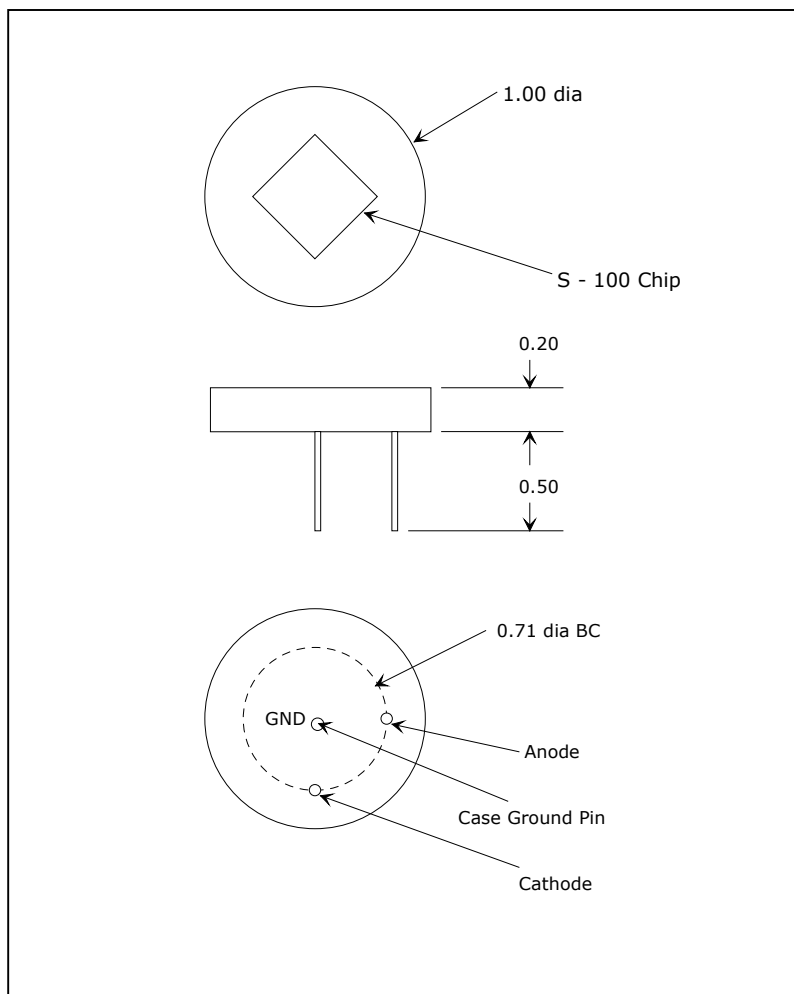


S - SERIES PHOTODIODES



Part Numbers:

S - 100

UVS - 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

Part Number	S - 100	UVS - 100
Active Area (mm)	10 x 10	10 x 10
Operating Wavelength (nm)	350 - 1100	200 - 1000
Shunt Resistance (MΩ)	10	50
Shunt Capacitance (pF)	1000	1800
Responsivity (A/W)	0.50 @ 850 nm	0.5 @ 800 nm
NEP (W/Hz ^{1/2}) @ 1 kHz	< 10 ⁻¹³ @ 850 nm	< 5 x 10 ⁻¹⁴ @ 800 nm