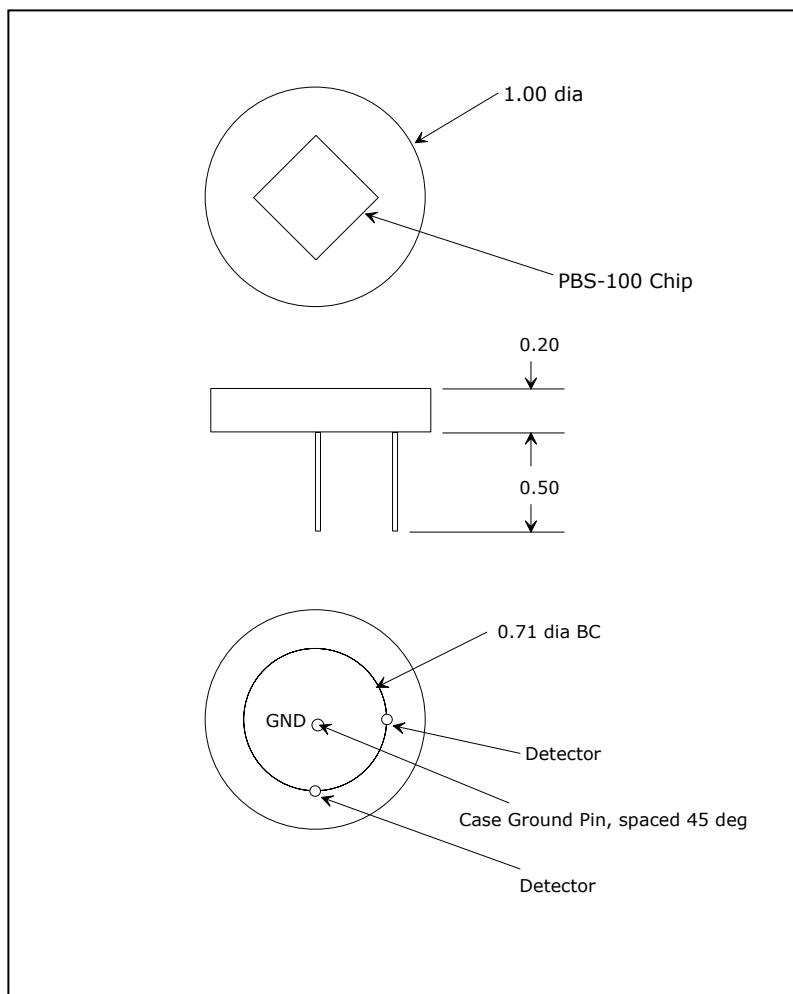


PBS - SERIES PHOTOCONDUCTOR



Part No:

PBS - 100

Note:

Dimensions in inches

Application Note

ELECTRO OPTICAL SYSTEMS offers room temperature photoconductive 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

Active Area	10mm x10mm
Operating Wavelength	1.0 - 2.8 μm
Dark Resistance ($\text{M}\Omega$)	0.5 - 2.0
Time Constant (μs), typ	< 500 μs
Voltage Bias (V)	100
Responsivity @ λ_p (V/W)	10000
D^* @ λ_p ($\text{cm Hz}^{1/2} / \text{W}$), min	6×10^{10}