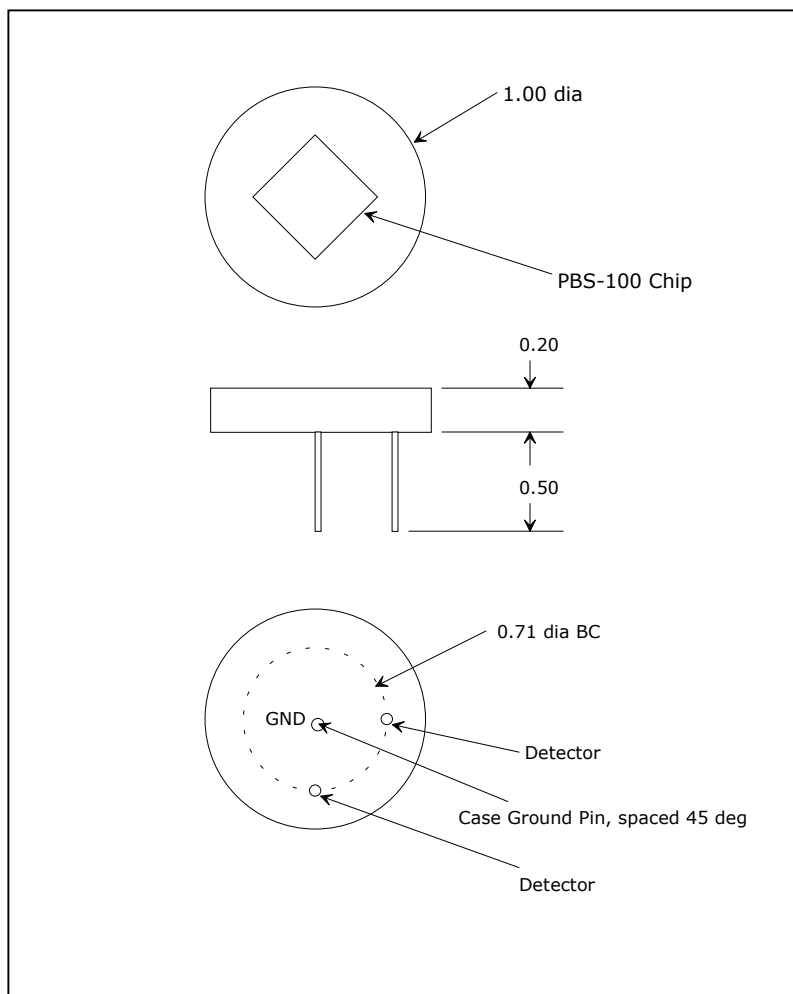


## PBS - SERIES PHOTOCONDUCTOR



**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

<b>Active Area</b>	<b>10mm x10mm</b>
<b>Operating Wavelength</b>	<b>1.0 - 2.8 <math>\mu\text{m}</math></b>
<b>Dark Resistance ( <math>\text{M}\Omega</math> )</b>	<b>0.5 - 2.0</b>
<b>Time Constant ( <math>\mu\text{s}</math> ), typ</b>	<b>&lt; 500 <math>\mu\text{s}</math></b>
<b>Voltage Bias (V)</b>	<b>100</b>
<b>Responsivity @ <math>\lambda_p</math> (V/W)</b>	<b>10000</b>
<b><math>D^*</math> @ <math>\lambda_p</math> ( <math>\text{cm Hz}^{1/2} / \text{W}</math> ), min</b>	<b><math>6 \times 10^{10}</math></b>