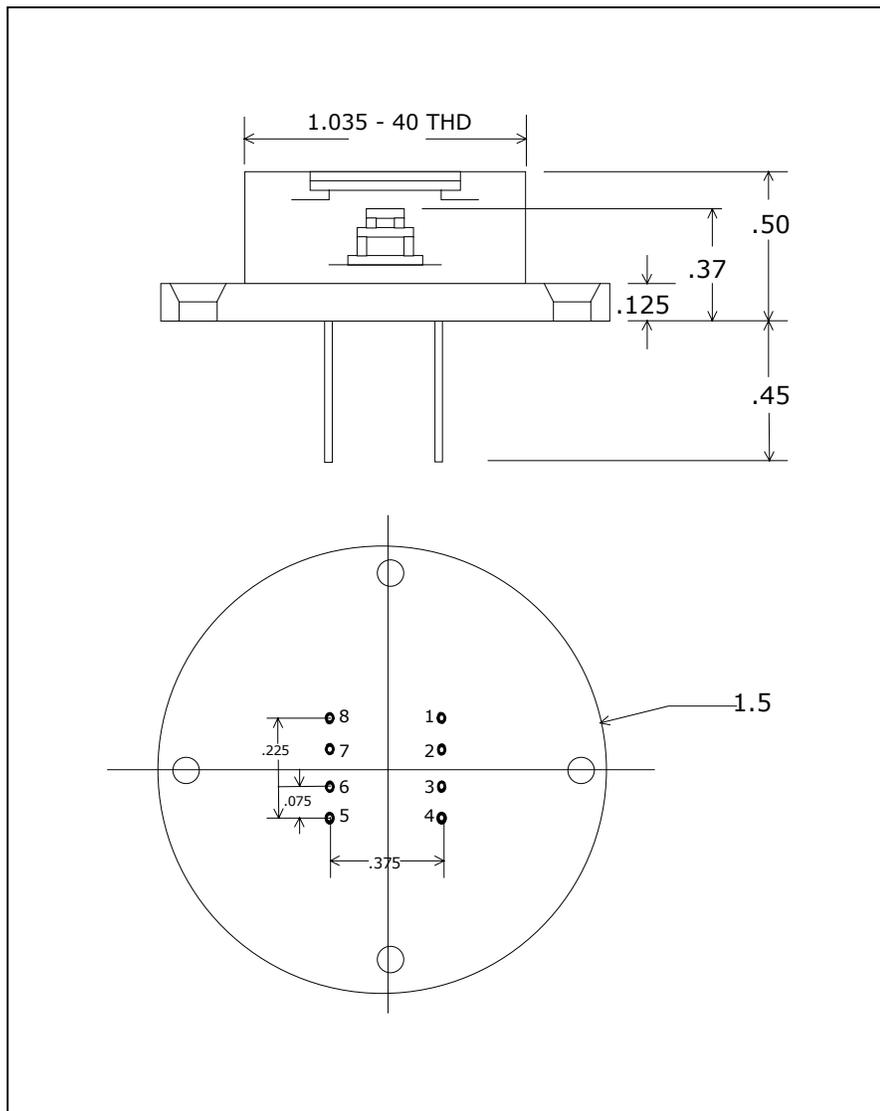


THERMOELECTRICALLY COOLED PHOTODIODE



Part No:

G-130-TE2

PIN FUNCTION

- 1 = Cooler (-)
- 2 = Thermistor
- 3 = Thermistor
- 4 = Cooler (+)
- 5 = Detector Cathode
- 6 = Detector Anode
- 7 = No Connect
- 8 = No Connect

Note:

Dimensions in Inches

SPECIFICATIONS – MODEL G-130, 13mm x 10mm GERMANIUM PHOTODIODE

Temperature (°C)	22 @ $I_{tec} = 0.0 \text{ A}$	-30 @ $I_{tec} = .7 \text{ A}$
R_{shunt}	1k ohms min	25k ohms min
C_{shunt}	40000pf typ	40000pf typ
NEP @ 1.55	$< 5 \times 10^{-12}$	$< 1.0 \times 10^{-12}$
Responsivity (A/W)	0.9 min @ 1.55 μm	0.9 min @ 1.55 μm
Max Cooler Current (A)	1.25	
Thermistor Resistance (k Ω)	1.5	40.0