



Representative photograph, actual product appearance may vary.

Due to regional agency approval requirements, some products may not be available in your area. Please contact your regional Honeywell office regarding your product of choice.

SE1470-004L

SE Series AlGaAs Infrared Emitting Diode, Metal Can Coaxial Package

Features

- Compact metal can coaxial package
- 24 ° (nominal) beam angle
- 880 nm wavelength
- Higher output power than GaAs at equivalent drive currents
- Wide operating temperature range [-55 °C to 125 °C]
- Mechanically and spectrally matched to SD1420 photodiode, SD1440 phototransistor and SD1410 photodarlington

Description

The SE1470 is a high intensity aluminum gallium arsenide infrared emitting diode mounted in a glass lensed metal can coaxial package. The package may have a tab or second lead welded to the can as an optional feature (SE1470-XXXL). Both leads are flexible and may be formed as required to fit various mounting configurations. These devices typically exhibit 70% greater power intensity than gallium arsenide devices at the same forward current.

SE1470-004L

SE Series AlGaAs Infrared Emitting Diode, Metal Can Coaxial Package

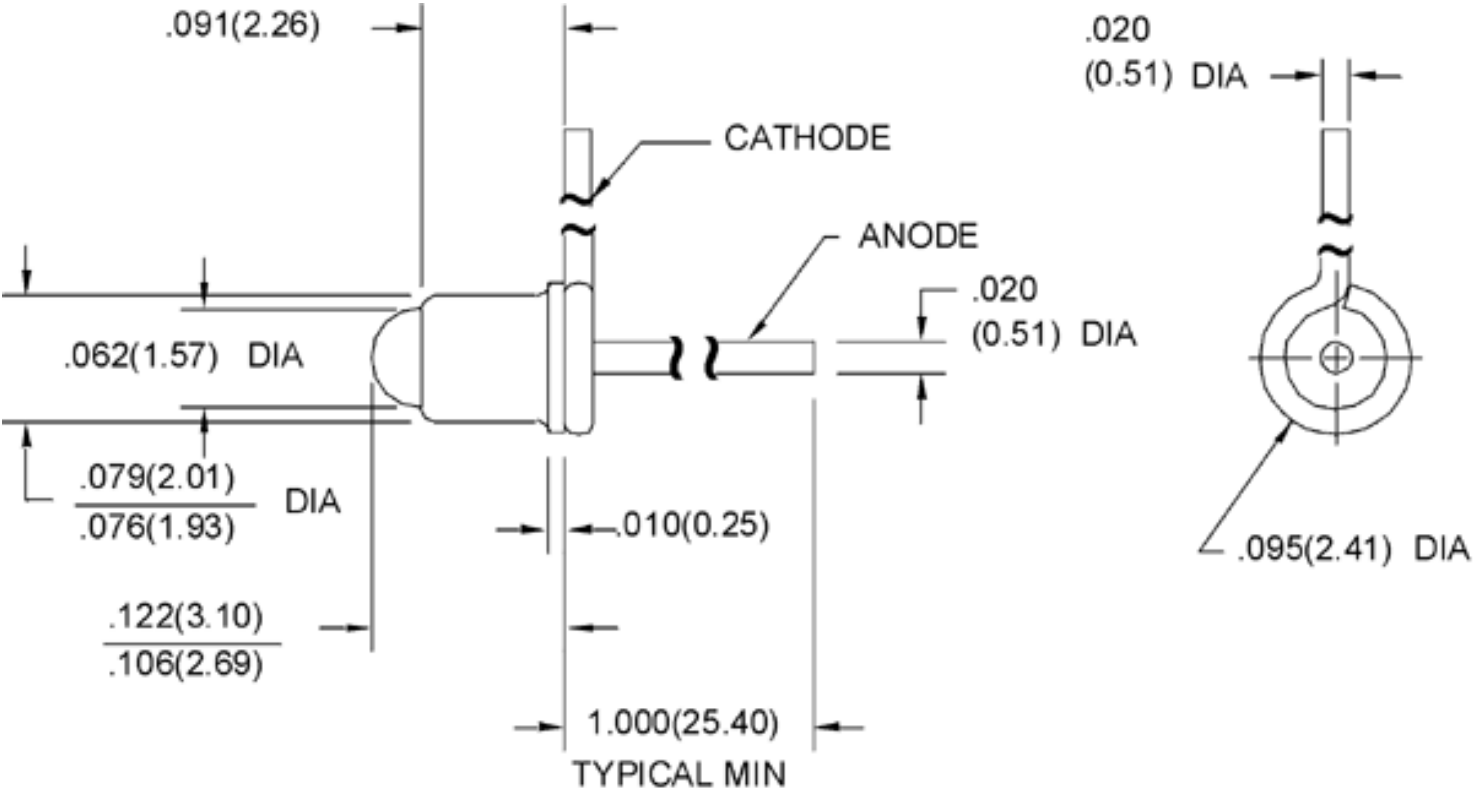
Product Specifications	
Product Type	IR Component
Power Output	1.65 - 4.50 mW/cm ²
Beam Angle (Degree)	24
Package Style	Coaxial, Lead Case
Package Components	Metal
Forward Current	20 mA
Forward Voltage	1.8 V
Reverse Breakdown Voltage	3 V
Output Wavelength	880 nm
Spectral Bandwidth	80 nm
Spectral Shift With Temperature	0.2 nm/°C
Rise and Fall Time	0.7 μs

Power Dissipation	75 mW
Operating Temperature Range	-55 °C to 125 °C [-67 °F to 257 °F]
Availability	Global
Product Name	Infrared Emitting Diode

Honeywell

SE1470-004L

SE Series AlGaAs Infrared Emitting Diode, Metal Can Coaxial Package



Honeywell

SE1470-004L

SE Series AlGaAs Infrared Emitting Diode, Metal Can Coaxial Package