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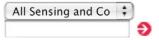Home> Products > Emitter > Infrared Emitting Diode > Product Page

SE1450-003L

SE Series GaAs Infrared Emitting Diode, Metal Can Coaxial Package

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Actual product appearance may vary.

Product Search

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Features

- Compact, metal can coaxial package
- 24 ° (nominal) beam angle
- 935 nm wavelength
- Wide operating temperature range [-55 °C to 125 °C]
- Mechanically and spectrally matched to SD1420 photodiode, SD1440 phototransistor and SD1410 photodarlington

Description

The SE1450 is a 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 (SE1450-XXXL). Both leads are flexible and may be formed as required to fit various mounting configurations.

Supporting Documentation
▶ **Dimensions**   ▶ **Schematic**   ▶ **Performance Charts**
▶ **Engineering Drawing**

Product Specifications	
Series Name	Infrared Emitting Diode
Product Type	IR Component
Power Output	0.70 mW min
Beam Angle (Degree)	24
Package Style	Coaxial, Lead Case
Package Components	Metal
Forward Current	50 mA
Forward Voltage	1.6 V
Reverse Breakdown Voltage	3 V
Output Wavelength	935 nm

Spectral Bandwidth	50 nm
Spectral Shift With Temperature	0.3 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

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