



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.

SE2470-002

SE Series AlGaAs Infrared Emitting Diode, Miniature Hermetically Sealed Metal Pill Style Package

Features

- Miniature, hermetically sealed, pill style, metal can package
- 18 ° (nominal) beam angle
- Wide operating temperature range [-55 °C to 125 °C]
- Higher power output than GaAs at equivalent drive currents
- Ideal for direct mounting to printed circuit boards
- 880 nm wavelength
- Mechanically and spectrally matched to SD2420 photodiode, SD2440 phototransistor and SD2410 photodarlington

Description

The SE2470 is a high intensity aluminum gallium arsenide infrared emitting diode mounted in a hermetically sealed, glass lensed, metal can package. This package directly mounts in double sided PC boards. These devices typically exhibit 70% greater power intensity than gallium arsenide devices at the same forward current.



SE2470-002

SE Series AlGaAs Infrared Emitting Diode, Miniature Hermetically Sealed Metal Pill Style Package

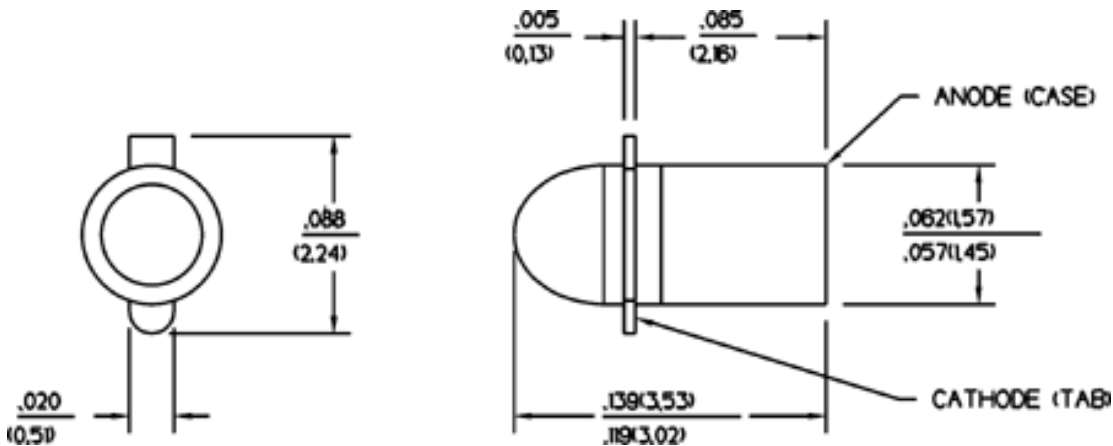
Product Specifications	
Product Type	IR Component
Power Output	6.0 mW/sr min
Beam Angle (Degree)	18
Package Style	Miniature, Pill
Package Components	Metal
Forward Current	50 mA
Continuous Forward Current	75 mA
Forward Voltage	1.8 V
Reverse Breakdown Voltage	3 V
Output Wavelength	880 nm

Spectral Bandwidth	80 nm
Spectral Shift With Temperature	0.2 nm/°C
Rise and Fall Time	0.7 μs
Power Dissipation	125 mW
Operating Temperature Range	-55 °C to 125 °C [-67 °F to 257 °F]
Availability	Global
Product Name	Infrared Emitting Diode

Honeywell

SE2470-002

SE Series AlGaAs Infrared Emitting Diode, Miniature Hermetically Sealed Metal Pill Style Package



Honeywell

SE2470-002

SE Series AlGaAs Infrared Emitting Diode, Miniature Hermetically Sealed Metal Pill Style Package

Anode



Cathode

Honeywell

SE2470-002

SE Series AlGaAs Infrared Emitting Diode, Miniature Hermetically Sealed Metal Pill Style Package

 WARNING

PERSONAL INJURY

DO NOT USE these products as safety or emergency stop devices, or in any other application where failure of the product could result in personal injury.

Failure to comply with these instructions could result in death or serious injury.

 WARNING

MISUSE OF DOCUMENTATION

- The information presented in this product sheet (or catalog) is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

Failure to comply with these instructions could result in death or serious injury.