



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.

SD1440-004L

SD Series Silicon PhotoTransistor, Compact Metal Can Coaxial Package

Features

- Compact, metal can coaxial package
- 24 ° (nominal) acceptance angle
- Wide sensitivity ranges
- Wide operating temperature range [-55 ° C to 125 ° C]
- Mechanically and spectrally matched to SE1450 and SE1470 infrared emitting diodes

Description

The SD1440 is an NPN silicon phototransistor 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 (SD1440-XXXL). Both leads are flexible and may be formed to fit various mounting configurations.

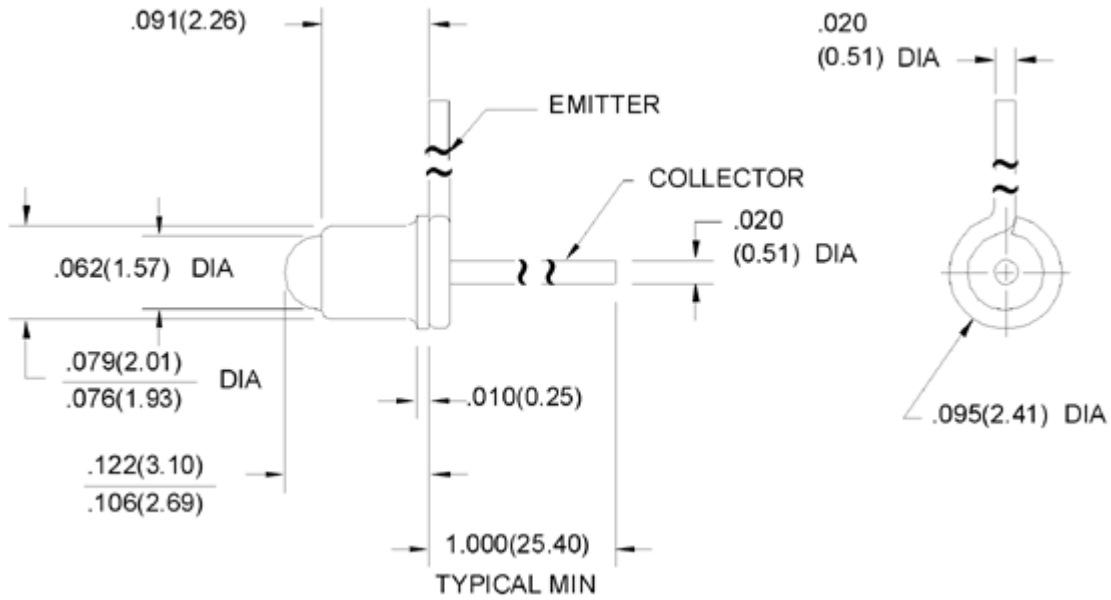
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Product Specifications	
Product Type	IR Component
Angular Response (Degree)	24
Light Current Minimum	6.0 mA
Package Style	Coaxial, Lead Case
Package Components	Metal
Reverse Breakdown Voltage	50 V
Output Wavelength	935 nm
Rise and Fall Time	15 μ s
Power Dissipation	75 mW
Operating Temperature Range	-55 ° C to 125 ° C [-67 ° F to 257 ° F]
Dark Current	100 nA
Collector-Emitter Breakdown Voltage	30 V
Emitter-Collector Breakdown Voltage	5 V
Collector-Emitter Saturation Voltage	0.4 V
Comment	The radiation source is a tungsten lamp operating at a color temperature of 2870° K.
Availability	Global
Product Name	Phototransistor

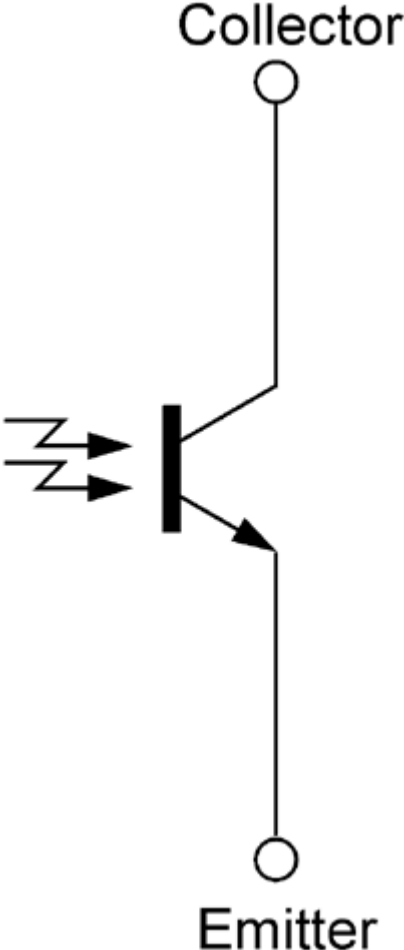
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▲ WARNING

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.