

Honeywell Sensing and Control



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SD2440-004

SD Series Silicon PhotoTransistor, Miniature Hermetically Sealed, Pill Style Metal Can Package

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Features

Miniature, hermetically sealed, pill style, metal can package
 48 ° (nominal) acceptance angle
 Wide operating temperature range [-55 °C to 125 °C]
 Ideal for direct mounting to printed circuit boards
 Wide sensitivity ranges
 Mechanically and spectrally matched to SE2460 and SE2470 infrared emitting diodes

Description

The SD2440 is an NPN silicon phototransistor mounted in a hermetically sealed glass lensed metal can package. This package directly mounts in a double sided PC board.

Product Specifications	
Product Type	IR Component
Angular Response (Degree)	48
Light Current Minimum	7.0 mA
Package Style	Miniature, Pill
Package Components	Metal
Hermetic Style	Yes
Rise and Fall Time	15 μs
Power Dissipation	125 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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