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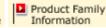
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Representative photograph, actual product appearance may vary.

- Dimensions
- Schematic
- Performance Charts
- Specifications

Click here for a print friendly version of this datasheet.

SD2410-002

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

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 SD2410 is an NPN silicon photodarlington mounted in a hermetically sealed glass lensed metal can package. This package directly mounts in double sided PC boards.

Product Specifications	
Product Type	IR Component
Angular Response (Degree)	48
Light Current Minimum	3.0 mA
Package Style	Miniature, Pill
Package Components	Metal
Reverse Current	40 μ A
Rise and Fall Time	75 μs
Power Dissipation	125 mW
Operating Temperature Range	-55 °C to 125 °C [-67 °F to 257 °F]
Dark Current	250 nA
Collector-Emitter Breakdown Voltage	15 V
Emitter-Collector Breakdown Voltage	5 V
Collector-Emitter Saturation Voltage	1.1 V
Comment	The radiation source is a tungsten lamp operating at a color temperature of 2870°K.
Availability	Global
Product Name	Photodarlington