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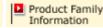
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Representative photograph, actual product appearance may vary.

- Dimensions
- Schematic
- Performance Charts
- Specifications

Click here for a print friendly version of this datasheet.

SD1410-003L

SD Series Silicon PhotoDarlington, Compact Metal Can Coaxial Package

Features

Compact metal can coaxial package 24 ° (nominal) acceptance angle High output currents 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 SD1410 is an NPN silicon photodarlington 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 (SD1410-XXXL). Both leads are flexible and may be formed as required to fit various mounting configurations.

Product Specifications				
Product Type	IR Component			
Angular Response (Degree)	24			
Light Current Minimum	4.0 mA			
Package Style	Coaxial, Lead Case			
Package Components	Metal			
Reverse Current	40 μ A			
Rise and Fall Time	75 μs			
Power Dissipation	75 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			