

## Honeywell Sensing and Control



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## 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 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

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.

