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SD5410-001

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-  [Schematic](#)
-  [Performance Charts](#)
-  [Specifications](#)

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SD5410-001

SD Series Silicon PhotoDarlington, TO-46 Metal, Glass Lensed Can Package

Features

- TO-46 metal can package
- Choice of flat window or lensed package
- 90 ° or 12 ° (nominal) acceptance angle option
- Wide operating temperature range [-55 °C to 125 °C]
- Wide sensitivity ranges
- Mechanically and spectrally matched to SE3450/5450, SE3455/5455 and SE3470/5470 infrared emitting diodes

Description

The SD3410/5410 series consists of an NPN silicon photodarlington mounted in a TO-46 metal can package. The SD3410 has flat window cans providing a wide acceptance angle, while the SD5410 has glass lensed cans providing a narrow acceptance angle. The TO-46 packages are ideally suited for operation in hostile environments.

Product Specifications	
Product Type	IR Component
Angular Response (Degree)	12
Light Current Minimum	2.0 mA
Package Style	T0-46, Dome Lensed
Package Components	Metal
Rise and Fall Time	75 μ s
Power Dissipation	150 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.*