

NDUSTRIES

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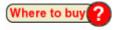
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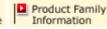
Safety **Products** Vehicle Controls & Monitoring

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Honeywell Sensing and Control













Representative photograph, actual product appearance may vary.

- Dimensions
- Schematic
- Performance Charts
- Specifications

Click here for a print friendly version of this datasheet.

SDP8106-001

SDP Series Silicon PhotoDarlington, Side-looking Plastic Package

Features

Side-looking plastic package 50 ° (nominal) acceptance angle Mechanically and spectrally matched to SEP8506 and SEP8706 infrared emitting diodes

Description

The SDP8106 is an NPN silicon photodarlington molded in a side-looking black plastic package to minimize effect of visible ambient light. The chip is positioned to accept radiation through a plastic lens from the side of the package.

Product Specifications	
Product Type	IR Component
Angular Response (Degree)	50
Light Current Minimum	1.0 mA
Package Style	Side-Looking
Package Components	Plastic
Package Color	Black
Rise and Fall Time	75 μs
Power Dissipation	100 mW
Operating Temperature Range	-40 °C to 85 °C [-40 °F to 185 °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 IRED with a peak wavelength of 935 nm.
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.