

## Honeywell Sensing and Control



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## 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.

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

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

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