

## Honeywell Sensing and Control



Where to buy

[Interactive Catalog Home](#)

[Product Family Information](#)

[Specification Search](#)

[Search Help](#)

Click here for a print friendly version of this datasheet.

## SDP8406-002

**SDP Series Silicon PhotoTransistor, Side-looking Plastic Package**



Representative photograph, actual product appearance may vary.

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

### Features

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

### Description

The SDP8406 is an NPN silicon phototransistor molded in a side-looking clear plastic package. 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	1.80 mA
Light Current Maximum	3.60 mA
Package Style	Side-Looking
Package Components	Plastic
Package Color	Clear
Rise and Fall Time	15 μs
Power Dissipation	100 mW
Operating Temperature Range	-40 °C to 85 °C [-40 °F to 185 °F]
Dark Current	100 nA
Collector-Emitter Breakdown Voltage	30 V
Emitter-Collector Breakdown Voltage	5 V
Collector-Emitter Saturation Voltage	0.4 V
Comment	The radiation source is a tungsten lamp operating at a color temperature of 2870°K.
Availability	Global
Product Name	Phototransistor

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.