

## Honeywell Sensing and Control

### SDP8276-001 Photodiode Detectors

(Home : Products)

---



SDP8276 Series Silicon Photodiode,  
Side-looking Plastic

*Actual product appearance may vary.*

#### Description

The SDP8276 is a PN silicon photodiode, transfer molded in a side-looking black plastic package, to minimize the effects of visible ambient light. The chip is positioned to accept radiant energy through a lens on the side of the package. The SDP8276 photodiode offers fast response time and a linear output. It is ideal for battery powered systems or anywhere power is at a premium.

## Features

- Side-looking plastic package
- Linear response
- Fast response time
- Internal visible light rejection filter
- 50 ° (nominal) acceptance angle
- Mechanically and spectrally matched to SEP8506 and SEP8706 infrared emitting diodes

## Product Specifications

Series Name	SDP8276
Product Type	IR Component
Angular Response (Degree)	50
Light Current Minimum	4.0 $\mu$ A
Package Type	Side-Looking
Package Components	Plastic
Package Color	Black
Reverse Breakdown Voltage	50 V
Rise and Fall Time	50 ns
Power Dissipation	100 mW
Operating Temperature	-40 °C to 85 °C [-40 °F to 185 °F]
Dark Current	50 nA
Cathode Anode Voltage	50 V

