



Representative photograph, actual product appearance may vary.

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.

SDP8276-001

SDP Series Silicon PhotoDiode, Side-looking Plastic Package

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

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.



SDP8276-001

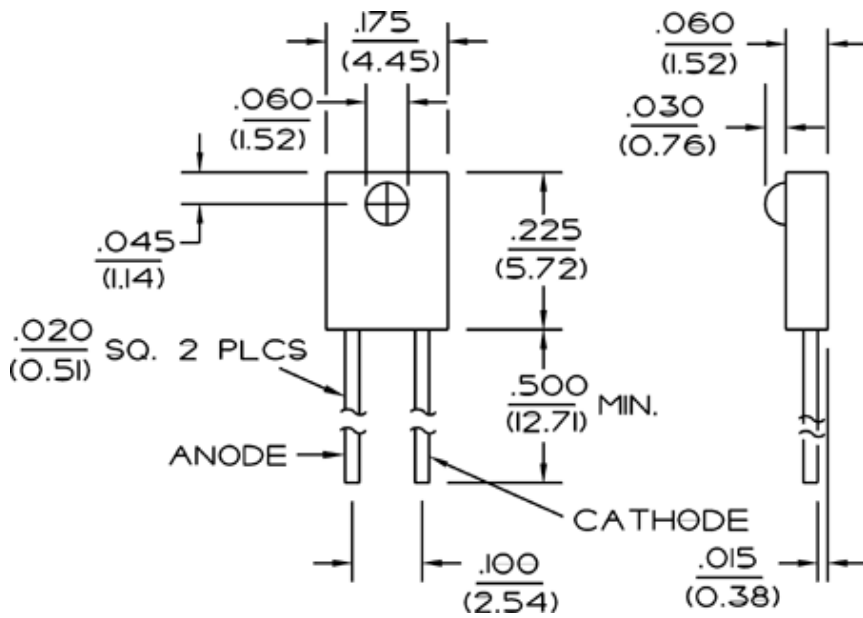
SDP Series Silicon PhotoDiode, Side-looking Plastic Package

Product Specifications	
Product Type	IR Component
Angular Response (Degree)	50
Light Current Minimum	4.0 µA
Package Style	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 Range	-40 °C to 85 °C [-40 °F to 185 °F]
Dark Current	50 nA
Cathode Anode Voltage	50 V
Slope Efficiency	0.3 mW/mA
Comment	The radiation source is a tungsten lamp operating at a color temperature of 2870°K.
Availability	Global
Product Name	Photodiode



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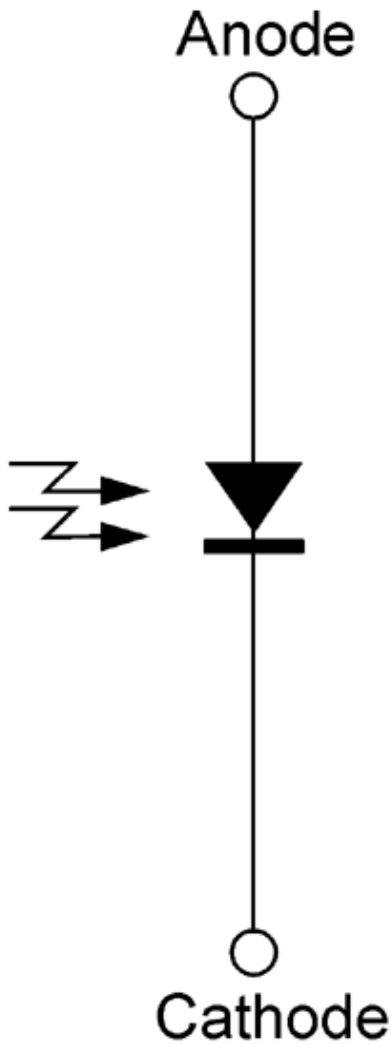
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Honeywell

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WARNING

PERSONAL INJURY

DO NOT USE these products as safety or emergency stop devices, or in any other application where failure of the product could result in personal injury.

Failure to comply with these instructions could result in death or serious injury.

WARNING

MISUSE OF DOCUMENTATION

- The information presented in this product sheet (or catalog) is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

Failure to comply with these instructions could result in death or serious injury.

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