Honeywell

Honeywell Sensing and Control

SD3491-001

SD Series Silicon PhotoTransistor, TO-46 Metal, Flat Window Can Package

Actual product appearance may vary.

Features

TO-46 metal can package
Flat window package
90 ° (nominal) acceptance angle
Wide operating temperature range [-55 °C to 125 °C]
External base connection for added control
High sensitivity
Mechanically and spectrally matched to SE3450/5450, SE3455/5455 and SE3470/5470 infrared emitting diodes

Description

The SD3491 is an NPN epitaxial silicon phototransistor mounted in a TO-46 metal can package. The SD3491 has a flat window can providing a wide acceptance angle. The TO-46 packages are ideally suited for operation in hostile environments. The base is connected on all SD3491 and SD5491 standard products.

Supporting Documentation

▶ **Dimensions**   ▶ **Schematic**   ▶ **Performance Charts**

Product Specifications	
Series Name	Phototransistor
Product Type	IR Component
Angular Response (Degree)	90
Light Current Minimum	0.45 mA
Package Style	TO-46, Flat Window
Package Components	Metal
Hermetic Style	Yes
Rise and Fall Time	2 µs
Power Dissipation	250 mW
Operating Temperature Range	-65 °C to 125 °C [-85 °F to 257 °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

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