



HOA0149-001



Actual product appearance may vary.

HOA Series Infrared Reflective Sensor, Transistor Output, Low profile, Plastic Package

Features

- Phototransistor output
- Focused for maximum response
- Low profile housing

Description

The HOA0149 consists of an infrared emitting diode and an NPN silicon phototransistor encased side-by-side on converging optical axes in a black thermoplastic housing. The phototransistor responds to radiation from the IRED only when a reflective object passes within its field of view. The HOA0149 employs plastic molded components. For additional component information see SEP8505 and SDP8405.

Housing material is ABS. Housings are soluble in chlorinated hydrocarbons and ketones. Recommended cleaning agents are methanol and isopropanol.

Product Specifications	
Series Name	Reflective Sensor
Product Type	IR Switch
On-State Collector Current	1.00 mA
Output	Transistor
Package Style	Side-Looking
Package Components	Plastic
Forward Current	40 mA
Continuous Forward Current	50 mA
Forward Voltage	1.6 V
Reverse Current	10 μ A
Rise and Fall Time	15 ns
Power Dissipation	70 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
Availability	Global
Optimum Point of Response	5,08 mm [0.20 in]