



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





HOA0149-001

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.

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.



HOA0149-001

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

Product Specifications

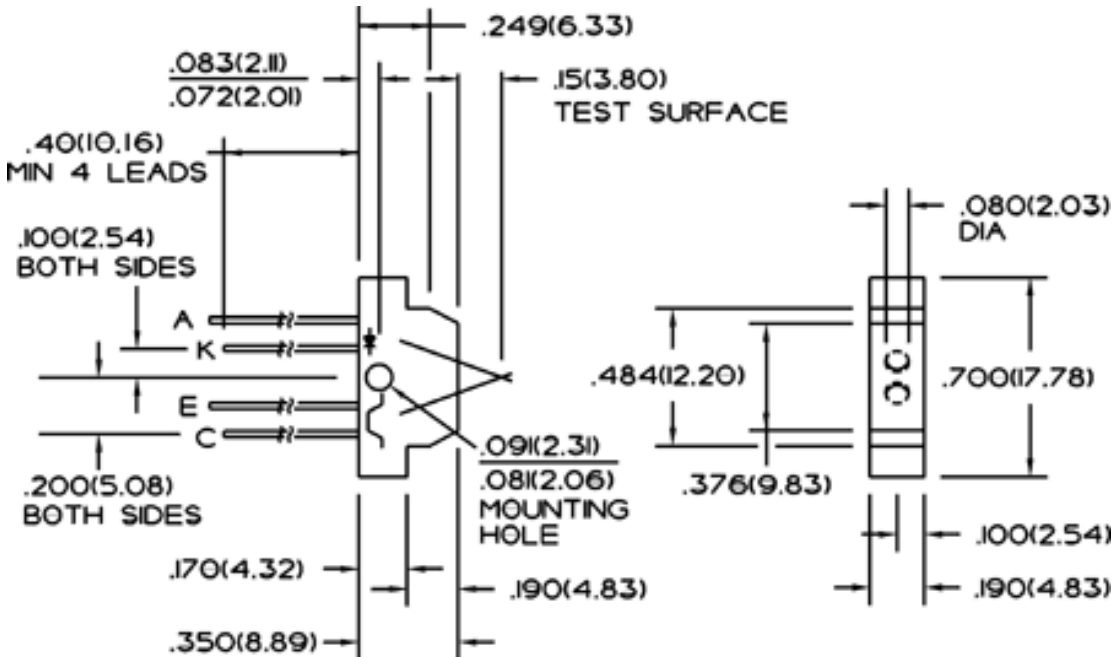
Product Type	IR Switch
On-State Collector Current	1.00 mA
Output	Transistor
Package Style	Side-Looking
Package Components	Plastic
Forward Current	40 mA
Continuous Forward Current	50 mA
Forward Voltage	1.6 V
Reverse Current	10 μ A

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
Product Name	Reflective Sensor
Optimum Point of Response	5,08 mm [0.20 in]

Honeywell

HOA0149-001

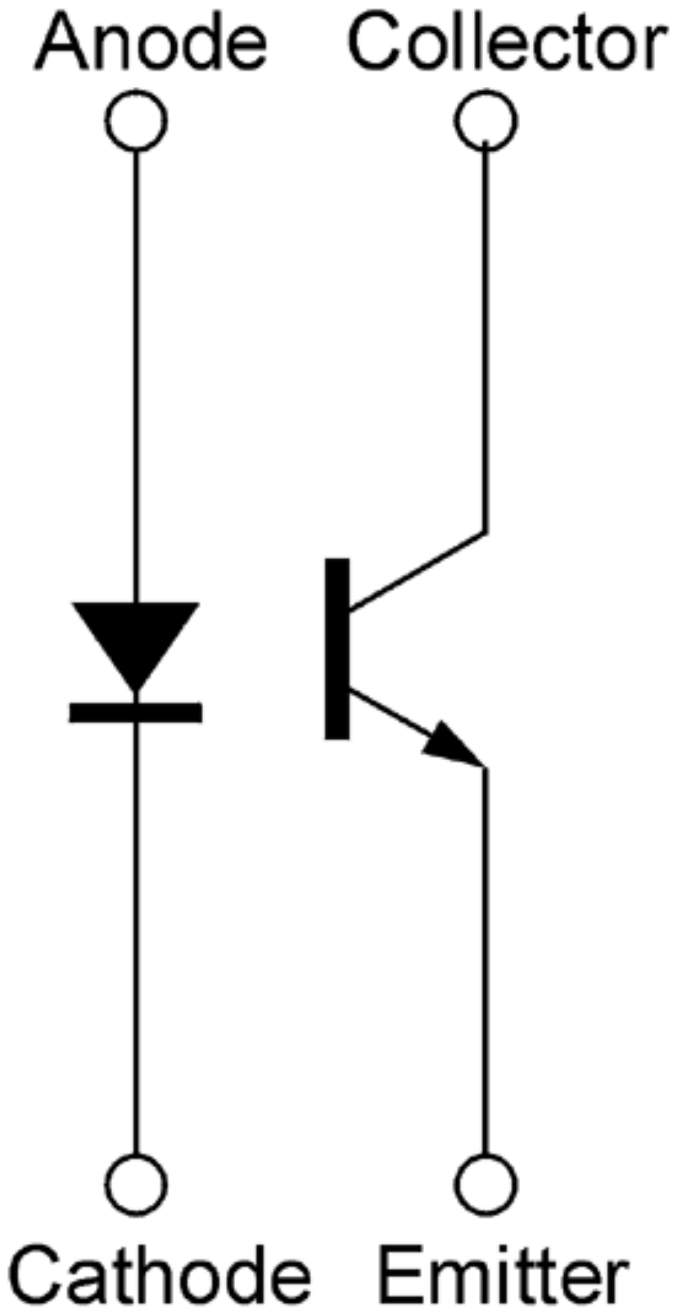
HOA Series Infrared Reflective Sensor, Transistor Output, Low profile, Plastic Package



Honeywell

HOA0149-001

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



Honeywell

HOA0149-001

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

 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.

© Copyright Honeywell Inc. 1998-2004 All rights reserved.