

Click to view price, real time Inventory,
Delivery & Lifecycle Information ;

HOA1405-2

Honeywell

Optical Switches, Reflective, Phototransistor Output .80mA,
Transistor 15us Rise and Fall

Any questions, please feel free to contact us.
info@kaimte.com



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.

HOA1405-002

HOA Series Reflective Sensor, Transistor Output, Plastic Package

Features

- Phototransistor output
- Focused for maximum response
- Ambient light and dust protective filter

Description

The HOA1405 series 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 HOA1405 series employs an IR transmissive filter to minimize the effects of visible ambient light and to provide a smooth optical face which prevents the accumulation of airborne contaminants in the optical path. The HOA1405 series contains plastic molded components. For additional component information see SEP8505 and SDP8405.

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



HOA1405-002

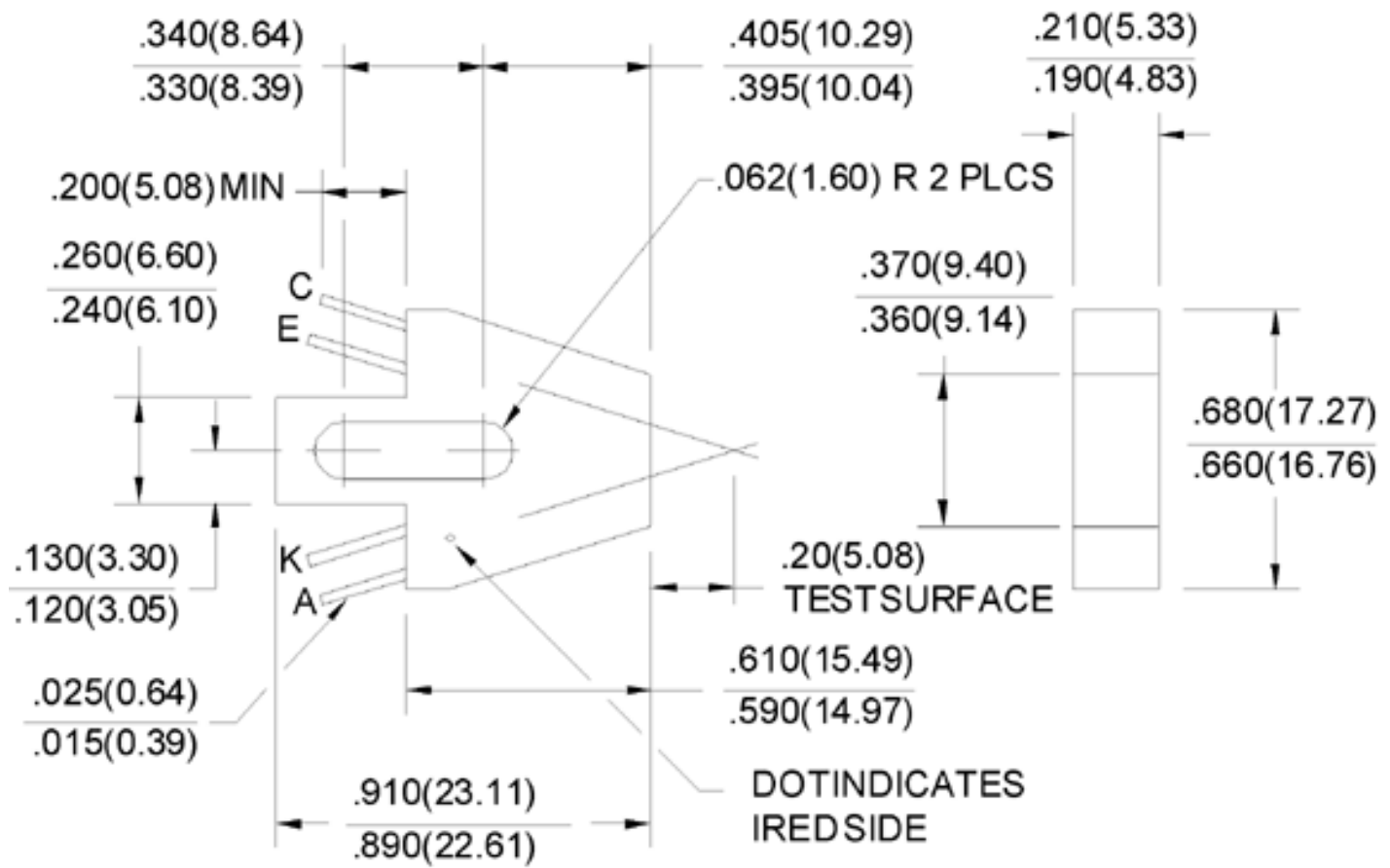
HOA Series Reflective Sensor, Transistor Output, Plastic Package

| Product Specifications | |
|--------------------------------------|------------------------------------|
| Product Type | IR Switch |
| On-State Collector Current | 0.80 mA |
| Output | Transistor |
| Package Style | Side-Looking |
| Package Components | Plastic |
| Package Color | Black |
| Forward Current | 30 mA |
| Continuous Forward Current | 50 mA |
| Forward Voltage | 1.6 V |
| Reverse Breakdown Voltage | 3 V |
| Reverse Current | 10 µA |
| Housing Material | Polyester |
| Rise and Fall Time | 15 µs |
| 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

HOA1405-002

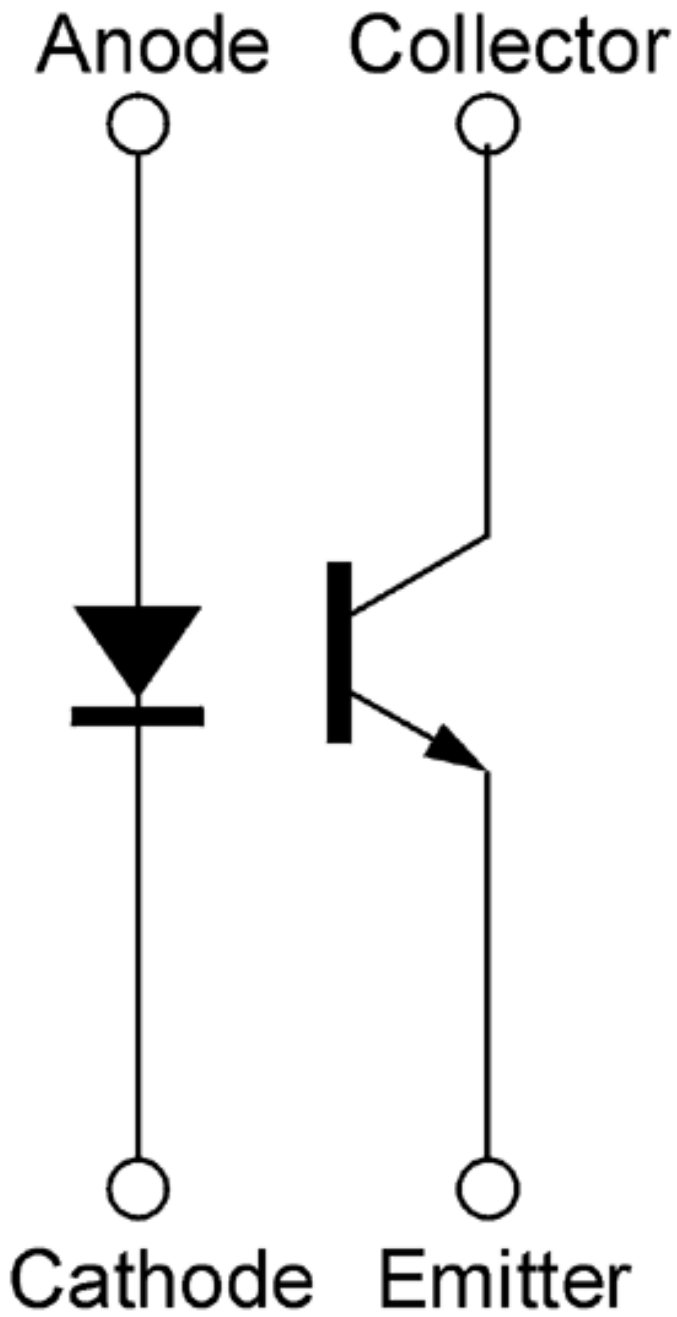
HOA Series Reflective Sensor, Transistor Output, Plastic Package



Honeywell

HOA1405-002

HOA Series Reflective Sensor, Transistor Output, Plastic Package



Honeywell

HOA1405-002

HOA Series Reflective Sensor, Transistor Output, 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.1998-2006 All rights reserved.