

## Honeywell Sensing and Control

Search

## narrow your search

## Products

- Controls
  - Monitoring and Lighting (352)
- Machine Safety (1702)
- Sensors (6223)
- Switches (9750)
- Wireless (21)

## Technology

- Capacitive (26)
- Electromechanical (9301)
- Microstructure (1486)
- NTC Thermistors (147)
- Thick Film (1764)
- More...

## new products

## New Wireless Products

Go farther. Work smarter. Explore new possibilities. Just by cutting the cord and making the switch.



Wireless Web Site  
WGLA and WPMM  
XYR6000™  
[find out more](#)

## white papers

- ▶ Wireless Switches Offer Unlimited Benefit
- ▶ Basic Switches Are Not Created Equal
- ▶ Applying Precision Switches
- ▶ Sensors for Medical Devices
- ▶ New Ways to Measure Torque
- ▶ Choosing Safety Switches
- ▶ Specifying Hour Meters

## Need help?

[Click here to contact us](#)

## HOA6971-N55

### Optosmitt Sensors (Transmissive)

(Home : Products)



*Actual product appearance may vary.*

HOA696X/HOA097X Series IR Opaque Optosmitt sensor, Transistor Output, No Mounting Tab, Plastic Package

[Sales & Service](#)
[Distributor Inventory](#)

[Overview](#) [Specs](#) [Documentation](#) [Application Notes](#)

## Product Specifications

Series Name	HOA696X/HOA697X
Product Type	IR Switch
Output	Open-Collector
Output Logic	Buffer
Mounting Configuration	No Mounting Tab
Package Components	Plastic
Package Color	Black
Continuous Forward Current	50 mA
Forward Voltage	1.6 V
Reverse Breakdown Voltage	3 V
Reverse Current	10 µA
Maximum Trigger Current	15 mA
Housing Material	Polysulfone, Opaque
Power Dissipation	100 mW
Operating Temperature	-40 °C to 70 °C [-40 °F to 158 °F]
Hysteresis (H)	0.05
Operating Supply Voltage	4.5 V to 12.0 V
Supply Voltage	12.0 Vdc
High Level Output Current	100 µA maximum
High Level Supply Current	15 mA
Low Level Output Voltage	0.4 V maximum
Low Level Supply Current	15 mA
Output Rise Time	70 ns
Output Fall Time	70 ns
Propagation Delay&44; Low-High&44;High-Low	5.0 µs
Duration of Output Short Vcc or Ground	1.0 second
IRE Trigger Current	15 mA
Comment	Output is LO when incident light intensity is above the turn-on threshold level.
Availability	Global
Sensor Aperture	1,52 mm x 1,27 mm [0.060 in x 0.050 in]
Slot Width	3,18 mm [0.125 in]

## contacts

- ▶ Customer Service
- ▶ Technical Support
- ▶ Global Sales & Service
- ▶ View Site Demo
- ▶ Site Comments?

## meet dr. larry

**VIDEO - Dr. Larry Goldstein** explains our newest and best technologies.



- ▶ Meet Dr. Larry

## my links

- ▶ Login to iCOM
- ▶ Login as Rep/AD
- ▶ Login as Guest
- ▶ Login to Digital University

## News Center

- ▶ HONEYWELL ANNOUNCES ADDITION TO RELIALIGN™ RESIDENTIAL DOOR INTERLOCK SWITCHES THAT FEATURE RUGGED, PLASTIC HOUSING
- ▶ HONEYWELL RELEASES UNLIMITED POTENTIAL WITH NEW LIMITLESS™ WIRELESS SWITCHES
- ▶ HONEYWELL'S XYR6000 WIRELESS POSITION SENSOR ENABLES MONITORING IN HAZARDOUS AREAS AND REMOTE LOCATIONS

**MICRO SWITCH**  
**Anniversary site**

