

Honeywell Sensing and Control

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HOA6971-N51

Optoschmitt Sensors (Transmissive)

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Actual product appearance may vary.

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

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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 0,25 mm [0.060 in x 0.010 in]
Slot Width	3,18 mm [0.125 in]

contacts

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