

Honeywell Sensing and Control

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**HOA6970-T55**
Optoschmitt Sensors (Transmissive)
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Actual product appearance may vary.

HOA096X/HOA097X Series IR Opaque Optoschmitt Sensor,
Transistor Output, Two Mounting Tabs, Plastic Package

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Product Specifications

Series Name	HOA696X/HOA697X
Product Type	IR Switch
Output	Totem-Pole
Output Logic	Buffer
Mounting Configuration	Two Mounting Tabs
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 7.0 V
Supply Voltage	7.0 Vdc
High Level Output Voltage	2.4 V minimum
High Level Supply Current	15 mA
Low Level Output Voltage	0.4 V maximum
Low Level Supply Current	15 mA
Short Circuit Output Current	-20 mA to -100 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
IRED 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

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