

Honeywell Sensing and Control



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HOA6971-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 | Open-Collector |
| 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 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; Low-High; High-Low | 5.0 µs |
| Duration of Output Short Vcc or Ground | 1.0 second |
| IRET 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] |

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