

Honeywell Sensing and Control

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HOA2001-001 Optoschmitt Sensors (Transmissive)

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HOA2001 Series Transmissive Optoschmitt Sensor, Transistor Output, Plastic Package

Actual product appearance may vary.

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Product Specifications

Series Name	HOA2001
Product Type	IR Switch
Output	10 kOhm Pull-up
Output Logic	Buffer
Package Components	Plastic
Package Color	Black
Continuous Forward Current	50 mA
Forward Voltage	1.6 V
Reverse Breakdown Voltage	3 V
Reverse Current	10 μ A
Maximum Trigger Current	10 mA
Housing Material	Polyester
Power Dissipation	100 mW
Operating Temperature	-40 °C to 70 °C [-40 °F to 158 °F]
Hysteresis (H)	0.1
Operating Supply Voltage	4.5 V to 10 V
Supply Voltage	12.0 Vdc
High Level Output Voltage	2.4 V minimum
High Level Supply Current	2.0 mA to 10 mA
Low Level Output Voltage	0.4 V maximum
Low Level Supply Current	4.0 mA to 12 mA
Output Rise Time	60 ns
Output Fall Time	15 ns
Output Sink Current	18 mA
Propagation Delay ⁴⁴ ; Low-High ⁴⁴ ;High-Low	5.0 μ s
Duration of Output Short Vcc or Ground	1.0 second
IREd Trigger Current	10 mA
Comment	Output is LO when incident light intensity is above the turn-on threshold level.

Availability	Global
Sensor Aperture	1,52 mm [0.060 in] dia.
Slot Width	3,05 mm [0.120 in]

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