

# Honeywell

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)



## HOA1873-013

**HOA Series Transmissive Sensor, Darlington Output, Plastic Package**

### Features

- Choice of phototransistor or photodarlington output
- Three sensitivity ranges
- Choice of metal can package or plastic molded components
- 0.100 in [2.54 mm] slot width

### Description

The HOA1873 series consists of an infrared emitting diode facing an NPN silicon phototransistor (HOA1873-001, -002, -011, -012) or photodarlington (HOA1873-003, -013) encased in a black thermoplastic housing. Detector switching takes place whenever an opaque object passes through the slot between emitter and detector. The HOA1873-001, -002 and -003 have a 0.050 in (1.27 mm) dia. detector aperture and employ metal can packaged components, while the HOA1873-011, -012, and -013 have a 0.060 in (1.52 mm) dia. detector aperture and contain plastic molded components. For additional component information see SE1450, SD1440, SD1410, SEP8506, SDP8406, and SDP8106.

HOA1873-001, 002, 003 housing material is acetal copolymer. HOA1873-011, 012, 013 housing material is polyester. Housings are soluble in chlorinated hydrocarbons and ketones. Recommended cleaning agents are methanol and isopropanol.

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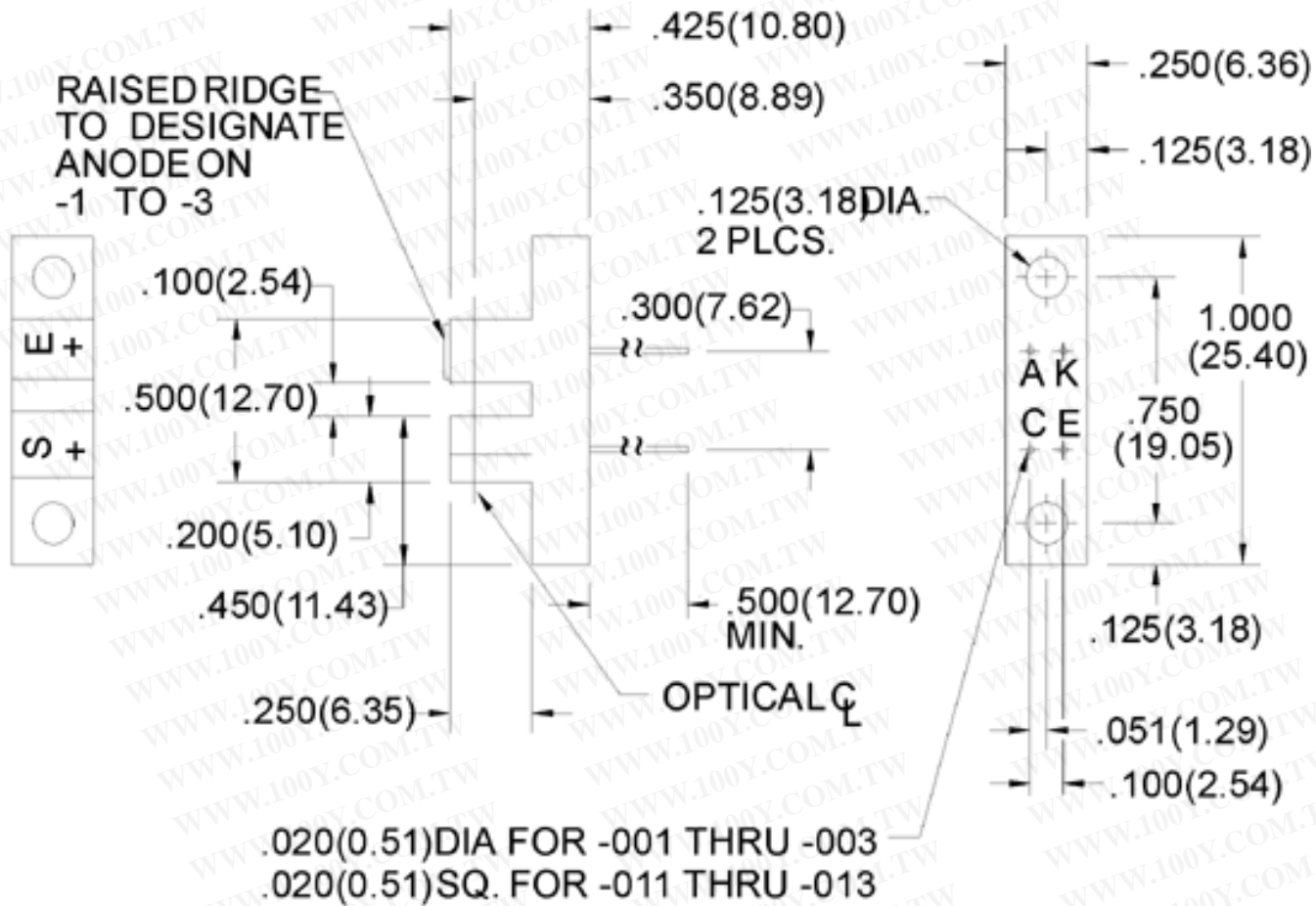
<b>Product Specifications</b>	
<b>Product Type</b>	IR Switch
<b>On-State Collector Current</b>	4.00 mA
<b>Output</b>	Darlington
<b>Package Style</b>	Side-Looking
<b>Package Components</b>	Plastic
<b>Package Color</b>	Black
<b>Forward Current</b>	20 mA
<b>Continuous Forward Current</b>	50 mA
<b>Forward Voltage</b>	1.6 V
<b>Reverse Breakdown Voltage</b>	3 V
<b>Reverse Current</b>	10 $\mu$ A
<b>Housing Material</b>	Polyester
<b>Rise and Fall Time</b>	75 $\mu$ s
<b>Power Dissipation</b>	100 mW
<b>Operating Temperature Range</b>	-40 °C to 85 °C [-40 °F to 185 °F]
<b>Dark Current</b>	250 nA
<b>Collector DC Current</b>	30 mA
<b>Collector-Emitter Breakdown Voltage</b>	15 V
<b>Emitter-Collector Breakdown Voltage</b>	5 V
<b>Collector-Emitter Saturation Voltage</b>	1.1 V
<b>Availability</b>	Global
<b>Product Name</b>	Transmissive Sensor
<b>Sensor Aperture</b>	1,52 mm [0.060 in] dia.
<b>Slot Width</b>	2,54 mm [0.100 in]

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