

HOA1873-011

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)

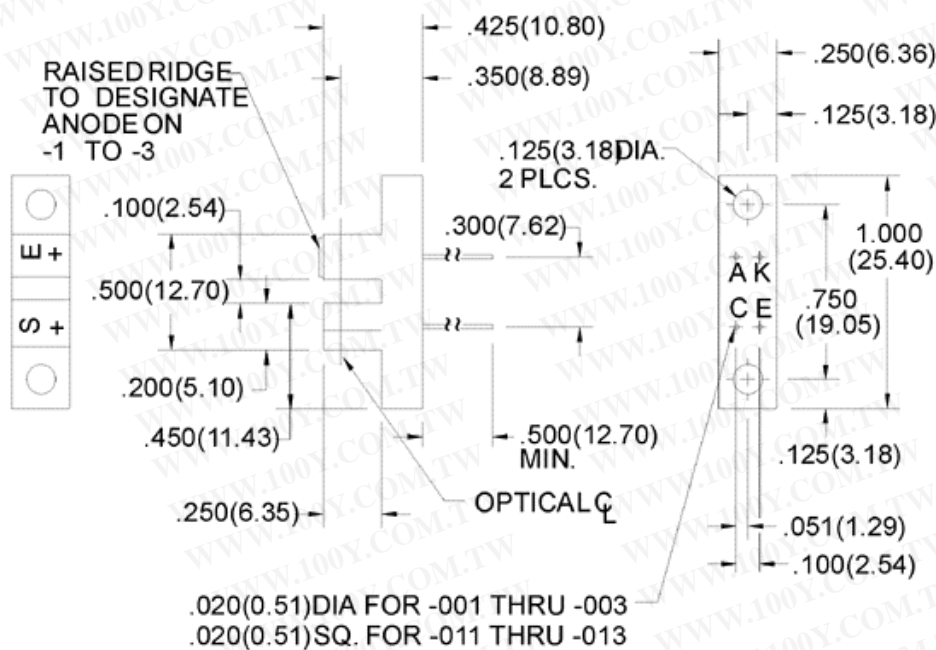
Description

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.

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



Product Specifications

Series Name	HOA1873
Product Type	IR Switch
On-State Collector Current	0.30 mA
Output	Transistor
Package Type	Side-Looking
Package Components	Plastic
Package Color	Black
Forward Current	20 mA
Continuous Forward Current	50 mA
Forward Voltage	1.6 V
Reverse Breakdown Voltage	3 V
Reverse Current	10 μ A
Housing Material	Polyester
Rise and Fall Time	15 μ s
Power Dissipation	100 mW
Operating Temperature	-40 °C to 85 °C [-40 °F to 185 °F]
Dark Current	100 nA
Collector DC Current	30 mA
Collector-Emitter Breakdown Voltage	30 V
Emitter-Collector Breakdown Voltage	5 V
Collector-Emitter Saturation Voltage	0.4 V
Availability	Global
Sensor Aperture	1,52 mm [0.060 in] dia.
Slot Width	2,54 mm [0.100 in]

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)