



Representative photograph, actual product appearance may vary.

2SSP-S

Omnipolar Magnetoresistive Sensor surface mount style, VDC supply voltage

Due to regional agency approval requirements, some products may not be available in your area. Please contact your regional Honeywell office regarding your product of choice.

FEATURES

- Low gauss operation can extend sensing distance to one inch or more, depending on magnet size
- Digital current sinking output
- Omnipolar - can be operated with either North or South magnetic pole
- Operating speed: 0 kHz to over 100 kHz
- Small size

OPERATION

2SS Series position sensors have magnetoresistive material integrated on silicon and encapsulated in a plastic package. The integrated circuit provides a digital output in response to very low magnetic fields. Though this signal is identical to our digital Hall effect sensors, it can be achieved by magnetoresistive sensors at much greater sensor-to-magnet distances.

OPERATING MODE

2SS sensors are operated by magnetic fields (North or South pole) parallel to the magnetoresistive element.

NOTE: *Due to the inherent high sensitivity of 2SS sensors, stray magnetic fields which are parallel to the IC may affect operation.*

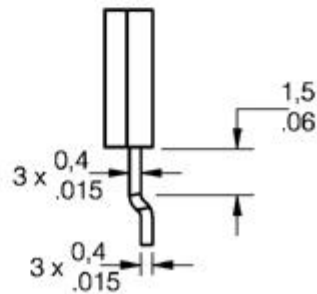
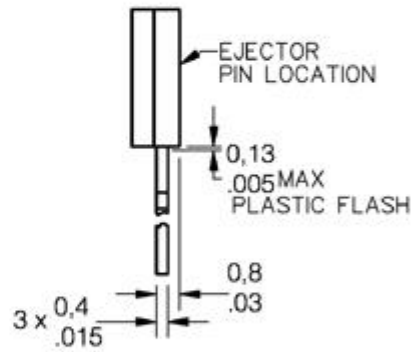
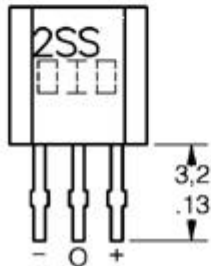
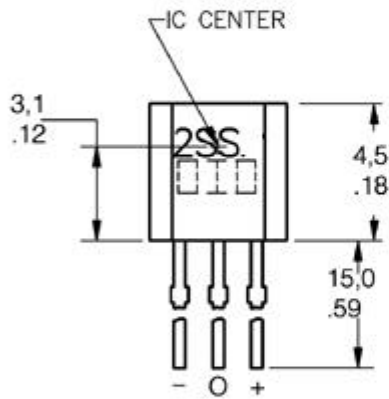
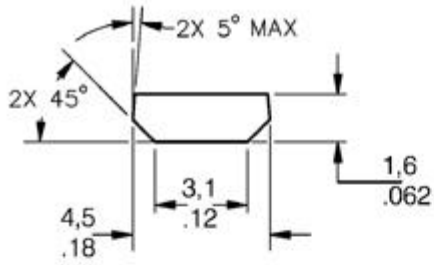
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Product Specifications	
Product Type	Magnetoresistive Digital Position Sensor
Package Style	Surface Mount
Supply Voltage	6 Vdc to 24 Vdc
Supply Current max., (mA) @ 25 °C	13.5
Output Type	Sink
Output Current max., (mA)	20
Termination Type	Surface Mount
Magnetic Actuation Type	Omnipolar
Operate Point @ 25 °C	15 Gauss [1.5 mT] typ.
Release Point @ 25 °C	11 Gauss [1.1 mT] typ.
Differential min.	4 Gauss [0.4 mT] typ.
Operating Temperature Range	-20 °C to 85 °C [-4 °F to 185 °F]
Leakage Current (µA max.)	10
Availability	Global
Series Name	2SSP Series

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