



SS411A-S

SS400 Series Bipolar Hall-Effect Digital Position Sensor; surface mount package

Features

- Digital current sinking output
- Quad-Hall design virtually eliminates mechanical stress effects
- Temperature compensated magnetics
- Operate/release points can be customized
- High output current capability
- Operate/release points symmetrical around zero gauss (bipolar/latch)
- Package material: Plaskon 3300H
- Surface mount version available: SS400-S (with cut and formed leads)

integrated circ

compensation slope is optimized to match the negative temperature coefficient of lower cost magnets. Bipolar, latching and unipolar magnetics are available.

Band gap regulation provides extremely stable operation over 3

NOTE: Interruption of power to a latching device may cause the output to change state when power is restored. If a magnetic

field of sufficient strength is present, the sensor output will be in the condition dictated by the magnetic field.

SS400 Series Bipolar

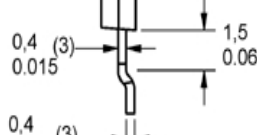
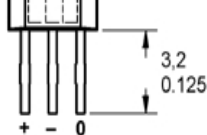
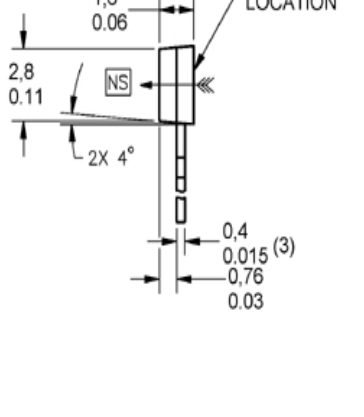
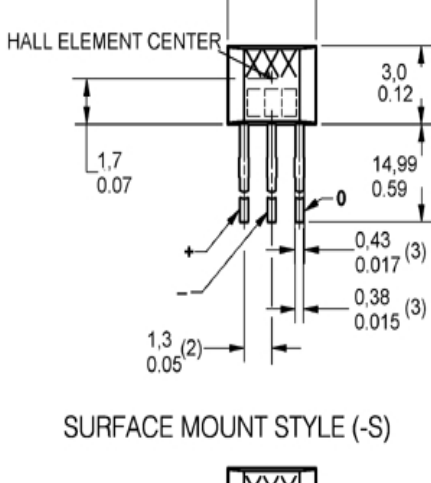
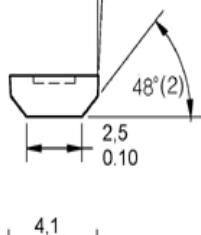
Product Specifications

Product Type	Hall-Effect Digital Position Sensor
Package Quantity/Type	Available in 1,000/Bag
Package Style	Surface Mount
Supply Voltage	3.8 Vdc to 30.0 Vdc
Output Type	Sink
Magnetic Actuation Type	Bipolar
Operating Temperature Range	-40 °C to 150 °C [-40 °F to 302 °F]
Output Voltage	0.4 Vdc max.
Switching Time Rise (10 % to 90 %)	0.05 µs typ., 1.5 µs max.
Switching Time Fall (90 % to 10 %)	0.15 µs typ., 1.5 µs max.
Availability	Global
Supply Current (max. @ 25 °C)	7.5 mA typ.
Output Current (max.)	20 mA
Operate Point @ 25 °C	2.0 mT [20 G] typ.
Release Point @ 25 °C	-2.0 mT [-20 G] typ.
Leakage Current max.	10 µA
Differential	4.0 mT [40 G] typ.
Series Name	SS400 Series

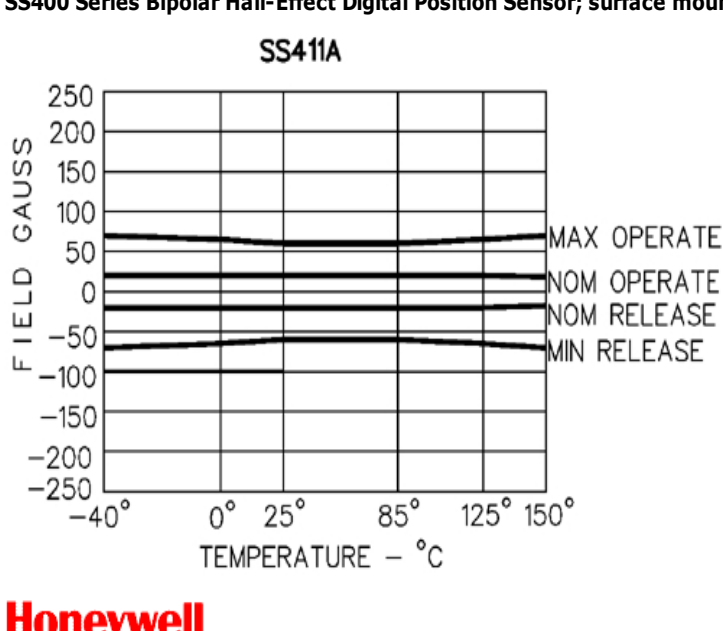
Honeywell

SS400 Series Bipolar

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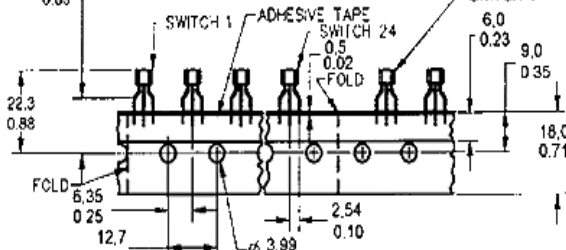


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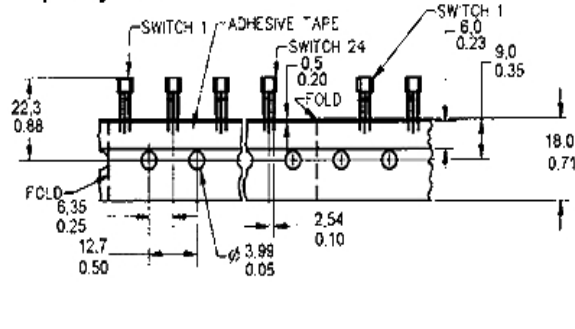


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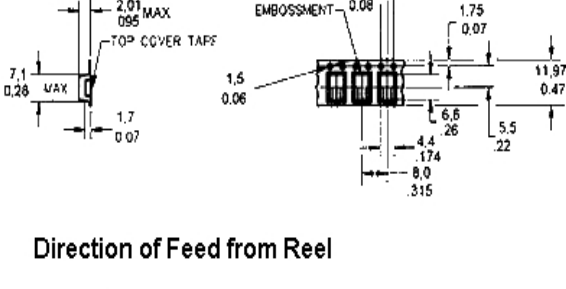
16.0



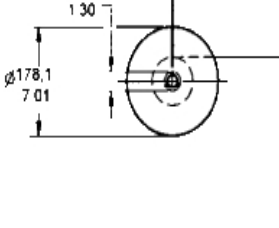
Tape Style T3



0.41 MAX
0.16

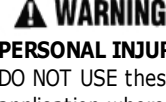


0.06 MIN



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Failure to comply with these instructions could result in death or serious injury.



- The information presented in this product sheet (or catalog) is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the

Instructions supplied with each product.