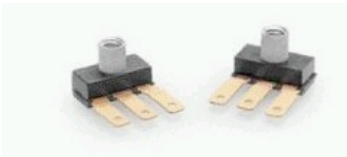


Honeywell Sensing and Control



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517SS16



Actual product appearance may vary.

517SS Series Bipolar Hall-Effect Digital Position Sensor

Potential Applications

- Speed and RPM sensor
- Brushless DC motor commutation
- Motor and fan control
- Magnetic encoding
- Tachometer, counter pickup
- Disc speed, tape rotation sensing
- Flow-rate sensing

Supporting Documentation

- Required Accessories
- Magnets
- Engineering Drawing

Product Specifications	
Product Type	Hall - Effect Digital Position Sensor IC
Package Style	Threaded Boss, Quick Connect Terminals
Supply Voltage	6.0 Vdc to 16.0 Vdc
Output Type	Sink
Termination Type	Male 0.093 in X 0.010 in Quick Connect Terminal
Magnetic Actuation Type	Bipolar
Operating Temperature Range	- 40 Â°C to 150 Â°C [- 40 Â°F to 302 Â°F]
Storage Temperature	- 40 Â°C to 150 Â°C [- 640 Â°F to 302 Â°F]
Output Voltage	0.4 Vdc max.
Switching Time Rise (10 % to 90 %)	1.5 Â µ s max.
Switching Time Fall (90 % to 10 %)	0.5 Â µ s max.
Availability	Global
Supply Current (max. @ 25 Â°C)	10 mA
Output Current (max.)	20 mA
Operate Point @ 25 Â°C	14.0 mT [140 G] max.
Release Point @ 25 Â°C	- 14.0 mT [- 140 G] min.
Leakage Current max.	20 Â µ A
Differential	2.0 mT [20 G] min.
Series Name	5SS

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