

SS526DT

Speed and Direction Sensors

*Save space with the industry's smallest sensors
to integrate speed and direction in one package*

SMALL SIZE. FLEXIBILITY. RELIABILITY. AND MORE.

Here are the details:

- One sensor performs the functions of two discrete Hall-effect sensors and their logic circuitry, saving considerable amounts of space
 - Detects the direction of a ring magnet's rotation while also sensing magnet rotation speed and pole count
 - Includes two separate Hall elements and outputs (Frequency signal for Speed Output and high or low logic-level signal for Direction Output)
- Low current consumption helps reduce power demand
- Wide operating voltage range from only 3.4 V to 24 V increases application flexibility
- Temperature compensated magnetics for high stability
- Symmetry of operate/release points about zero gauss (bipolar latching)
- Passes JEDEC autoclave requirements
- Small package surface mounts easily on PC boards and flexible circuits
- Can usually be interfaced without buffering or compensation circuitry, simplifying application



Where can I apply SS526DT Speed and Direction Sensors?

Anti-pinch electric motor control systems for:

- power windows
- power seats (headrest)
- power sliding doors
- sunroofs

actual size

Speed and direction sensing has been revolutionized with this innovative, space-saving approach. Let Honeywell's newest solutions pave the way for even more system improvement!

Why choose Honeywell sensors?

You get unique features and benefits:

- Multiple solutions—both Hall-effect and magnetoresistive technologies meet or exceed marketplace requirements for high accuracy, repeatability, and high temperature
- Full product portfolio:
 - Hall-effect speed sensors
 - Magnetoresistive speed sensors
 - Hall-effect speed/direction sensors
 - Hall-effect and magnetoresistive position sensors
- Applications expertise—we can help you apply our sensors in engine management, transmission management, wheel-speed, and a variety of comfort, convenience and motor control applications

When you work with Honeywell Sensing and Control you get:

- The quality levels demanded by Six Sigma
- Service support capabilities:
 - Validation Test Lab and EMC Lab
 - Materials Engineering Lab
 - Failure Analysis Lab
 - Model Shop/Rapid Prototyping
 - Magnetic Modeling
 - Finite Element Analysis
 - Mold-Flow Analysis



- Vertically integrated automotive operations for a total solution:
 - IC design/fabrication/packaging/testing
 - Printed circuit board design and surface-mount population
 - Thick-film design and clean room manufacturing
 - Automated assembly and test
 - Stamped metal parts capability
 - Plastic mold design and fabrication
 - Special equipment design and manufacturing

A global company with solutions, service, and support

Honeywell Sensing and Control provides reliable, on-time sensing and switching solutions to the automotive industry.

Using Malcolm Baldrige, QS 9000, and Six Sigma criteria, as well as continuously meeting customer demands for technological advancements, we have met industry requirements for a wide variety of system-critical automotive applications. Our solutions help you improve fuel efficiency, reduce pollution, and enhance operator comfort and convenience.

That's why we've continued to be a leading manufacturer of active sensors. In fact, a substantial number of vehicles throughout the world incorporate Honeywell technology—we serve manufacturers on every continent.

For more information, contact

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