



Magnetic Sensing Solutions



Product Overview

SSI Technologies is a leader in the design, development, and manufacturing of passive (Variable Reluctance) and active (Hall Effect or Magneto-Resistive) magnetic sensors. SSI has over 25 years of experience providing magnetic sensing solutions that meet the specific needs of our OEM customers.

Drawing from our extensive design and manufacturing history with major transportation platforms, our engineering staff will provide a custom sensing solution for your specific application.

Product Features

- Field tested design modules (demonstrated low field warranty)
- Validated for operating temperatures of -40 °C to 150 °C
- Packaged to withstand harsh conditions including high vibration and moist environments
- Integrated connectors or custom dressed cable assemblies

Passive Sensors

Passive sensors do not require an external power source and provide an analog output signal. These include the following types of sensors.

- Solid-State Transmission Speed Sensor
- Integral Bearing VR ABS Sensor
- VR Speed Sensor
- VR Engine Crank Position Sensor

Active Sensors

Examples of sensors falling under this category include:

- MR Transmission Speed Sensor
- Hall Effect Speedometer Sensor

Active sensors require an external power source and provide a digital output signal with the following advantages:

- Zero speed capability
- Larger air gap capability
- Smaller packaging size
- Performance is less sensitive to external influences (ring geometry, temperature, vibration, electrical fields, and magnetic fields)

Contact

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Warranty

LIMITED WARRANTY: All SSI products are warranted against defective materials and workmanship for a period of one (1) year from the date of delivery to the original purchaser. Any product that is found to be defective within the one year period will be replaced at the discretion of SSI. **THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, PERFORMANCE, OR OTHERWISE.** SSI is not an expert in the customer's technical field and therefore does not warrant the suitability of its products for the applications selected by the customer. SSI accepts no responsibility for misuse, misapplication or unauthorized modification of its products.

LIMITATION OF LIABILITY: SSI's obligation under this limited warranty is strictly and exclusively limited to the repair or replacement free of charge of such articles as are found to be defective in material or workmanship on the condition that the purchaser gives prompt written notice to SSI of any claim to breach of warranty within the warranty period, and, if requested, returns the defective articles to SSI. SSI will not assume any expenses or liability for repairs made to its articles outside of its plant, without its prior written consent. SSI reserves the right to satisfy its warranty obligation in full, with respect to defective articles, by the payment to the purchaser of all sums paid by the purchaser to SSI for such articles. **IN NO EVENT SHALL SSI BE LIABLE FOR CLAIMS (BASED UPON BREACH OF EXPRESS OR IMPLIED WARRANTY, NEGLIGENCE OR OTHERWISE) FOR ANY DAMAGES, WHETHER DIRECT, IMMEDIATE, INCIDENTAL, FORESEEABLE, CONSEQUENTIAL, OR SPECIAL.**

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Note: Specs are subject to change without notice.