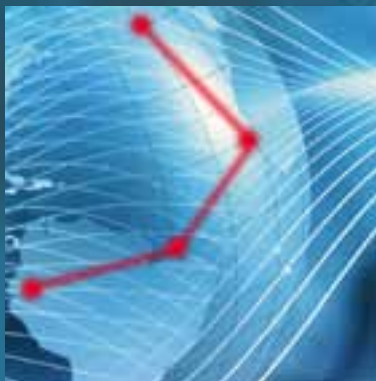




More than
25



years experience in MEMS technology

Gyro product portfolio



STIM210 Ultra-high performance multi-axis gyro module

STIM210 is a small affordable, robust and reliable, high performance silicon MEMS gyro module with up to 3 axes. It is an ITAR free product, and highly suitable for platform navigation, guidance and stabilization applications in the Industrial, Aerospace and Defense markets. With 20% less weight, 10 times shorter startup time, and 3 times better temperature stability, than it's established STIM202 predecessor, it sets the industry standard for MEMS based gyro modules.

Calibrated and compensated over the operating temperature range, it offers in-run bias instability of 0.5°/h and ARW less than 0.15°/h, supporting external trigger input, data time stamp, and a sample rate up to 2kHz. With bias stability over temperature of 10°/h, STIM210 offers an immediate choice to system designers to displace large, expensive, fragile and prone to wear current Fiber Optic Gyros (FOGs), Quartz or other mechanical gyro sensors.



STIM202 Ultra-high performance, shock capable, multi-axis gyro module

STIM202 is a compact and lightweight rugged silicon MEMS gyro module with up to 3 axes. It is inherently robust, small, low power and has excellent shock and vibration performance. STIM202 is designed with internal shock absorbers for operation in environments with repeatable shocks. It is capable for direct mounting on a range of firing defense applications.

Calibrated and compensated over full temperature range, STIM202 offers in-run bias instability 0.5°/h and ARW 0.25°/h, and a sample rate up to 1kHz. It is an ITAR free product and customer configurable for a range of its parameters, including sampling rates and data output formats. STIM202, at a weight of 55 grams, offers an alternative to FOGs, and improves the system solutions with respect to robustness, reliability, size, weight, power and cost. STIM202 is used in a wide range of applications in the Industrial, Aerospace and Defense markets.



SAR150 High performance single axis gyro components

SAR150 is a product with high bias and scale factor stability, designed for demanding applications in Mil/Aerospace and industrial markets. The sensor is highly rugged, consuming as little power as 50mW, offering the best value of any gyro product in its class of performance.

The in-run bias stability of SAR150 is 50°/h. Full range: 100°/s, 250°/s and 400°/s. Applications include soldier navigation, borehole survey, antenna platform stabilization, personal navigation devices, smart munitions, robotics, train applications, etc.



SAR100 High performance single axis angular rate sensor

SAR100 is a gyro component with high bias and scale factor stability, designed for demanding applications. The sensor is highly rugged, consuming as little power as 50mW, offering the best value of any gyro product in its class of performance. The in-run bias stability of SAR100 is 0.02°/s. It is offered in three standard full range versions of 100°/s, 250°/s and 400°/s.

It is a highly robust sensor with low vibration sensitivity and high shock survivability. Ideal for platform stabilization, robot head positioning, borehole survey, smart munitions, train applications, etc.

Sensoror Technologies is a worldwide leading supplier of high performance and high reliability inertial sensors and sensor clusters. The sensors are designed for safety critical and rough environment applications in the professional markets such as defense, aerospace, energy, industrial and instrumentation markets. With more than 25 years of experience in MEMS technology, on the areas of silicon design and manufacturing, micro system electronics design, and finally advanced assembly, calibration and application specific testing we are your preferred supplier.



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