element 4 Your Electronic Engineering Resource

MEMS & Sensors



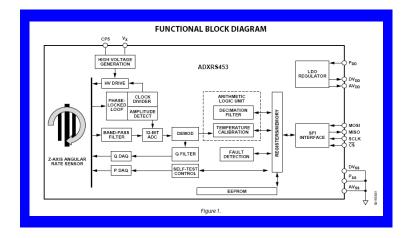
ADXRS453 (low bias) and ADXRS450: ±300°/sec High Vibration Immunity Digital Gyro

Key Features:

- Complete rate gyroscope on a single chip
- ±300°/sec angular rate sensing
- Vibration rejection: 0.01°/sec/g (ADXRS453) and 0.03°/sec/g (ADXRS450)
- Null bias stability: 16°/hour (ADXRS453) and 25°/hour (ADXRS450)
- Internal temperature compensation
- 2000 g powered shock survivability
- SPI digital output with 16-bit data-word
- Low noise and low power 3.3 V to 5 V operation
- -40°C to +105°C operation
- Ultra-small, light, and RoHS compliant
- Two package options: Low cost SOIC_CAV package for yaw rate (z-axis) response and ceramic vertical mount package (LCC_V), which can be oriented for pitch, roll, or yaw response

Applications:

- Rotation sensing medical applications
- Rotation sensing industrial and instrumentation
- High performance platform stabilization



Product	Farnell#	Description
MEMs and Sensors	Click Here	ADXRS453 (low bias) and ADXRS450: ±300°/sec High Vibration Immunity Digital Gyro



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