

MEMS & Sensors



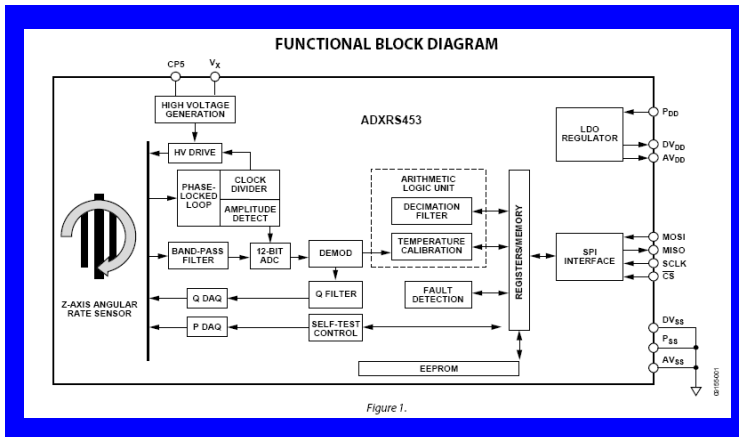
ADXRS453 (low bias) and ADXRS450: $\pm 300^\circ/\text{sec}$ High Vibration Immunity Digital Gyro

Key Features:

- Complete rate gyroscope on a single chip
- $\pm 300^\circ/\text{sec}$ angular rate sensing
- Vibration rejection: $0.01^\circ/\text{sec/g}$ (ADXRS453) and $0.03^\circ/\text{sec/g}$ (ADXRS450)
- Null bias stability: $16^\circ/\text{hour}$ (ADXRS453) and $25^\circ/\text{hour}$ (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 $+105^\circ\text{C}$ 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 : $\pm 300^\circ/\text{sec}$ High Vibration Immunity Digital Gyro

