Features:

Based on MEMS Process

Completely digital gyro & accelerometer

Compensation & calibration

Low power, extra-small size

High speed processor embedded

Robust for vibration & shock

Technical specifications:

Typical performance	Angular	Linear
Measurement range	≥ ±300°/s (Extensible ±100°/s~±5000°/s)	≥ ±15g (Extensible±2°/s~±200°/s)
Bias stability (1σ)	≤ 10°/h	0.5mg
Bias repeatability	≤ 10°/h	0.5mg
Bias instability (Allan variance)	≤ 2°/h	-
Random walk	≤ 0.15°/√h	-
Scale factor nonlinearity	≤ 300ppm	≤ 500ppm (1σ)
Scale factor repeatability	≤ 200ppm	≤ 300ppm (1σ)
Axial error	≤ 0.5mrad (1σ)	≤0.5mrad (1σ)
Weight	≤ 210g	
Outside dimension	52mm x 32mm	
Supply voltage	5.2V ±36V	
Power consumption	≤ 1.5A	
Electrical interface	RS422	
Data rate	400Hz	
Vibration level	6.68 grms(10Hz – 2000Hz)	
Shock resistance	2000g	
Working temperature	-40°C – +85°C	
Storage temperature	+55°C – +105°C	
All values are typical at +25°C, +5.2Vdc unless otherwise statement		

Installation dimension:

