UAVSale

SNC200 Inertial Measurement Unit

MD-P00344 · md-snc200-inertial-measurement-unit

SNC200-IMU is an inertial measurement unit (IMU) based on MEMS technology. It has built-in high-performance MEMS gyroscope and MEMS accelerometer, and outputs 3 angular velocities and 3 accelerations.

TECHNICAL SPECIFICATIONS

Parameter	Test conditions / minimum value / Typical value / Maximum / Company
Gyro	Dynamic measurement range / / / / 450 / /s
Zero bias stability	Allan variance, z-axis / / 0.8 / / /h
Zero bias	Zero offset range, z-axis / / 0.07 / / /s
Scale factor	Scale factor accuracy, z-axis / / 0.3 / / %
Accelerometer	Dynamic measurement range / / / 16 / / g
Communication interface	1Way SPI / Baud rate / / / 15 / MHz
1Road UART	Baud rate / / 230.4 / / Kbps
1Way can	Baud rate / / / 1 / MHz
sampling frequency	SPI / / 200 / 1000 / Hz
Electrical characteristics	Voltage / / 3.0 / 3.3 / 3.6 / V
Ripple	P-P / / / 100 / mV
Structural characteristics	size / / / 47 forty-four fourteen / / mm
Use environment	working temperature / / -40 / / 70 / ℃
Reliability	MTBF / / / 20000 / / h
b) Zero bias stability	3 / h (GJB, 10s, Z axis), 0.8 / h (Allan, Z axis);
High reliability	MTBF > 20000h;
Interface	1-way UART, 1-way SPI, 1-way can

CERTIFICATION

Certification status is confirmed per order and is not published in the catalogue listing. Request the current declaration, test reports or conformity certificates from our sourcing team.

ORDERING INFORMATION

Model	SNC200 Inertial Measurement Unit

Part number	MD-P00344
Lead time	30 days
Minimum order	1 unit
Supply	made_to_order

Generated from the UAVSale product catalogue. Figures are manufacturer-supplied and subject to configuration. For the current revision and full documentation set, contact our sourcing team.