JHT-I/H/A /B /C Series Quartz Flexure Accelerometers

1 .Product Description

JHT-I/H/A Quartz Flexure Accelerometers for carrier microgravity measurement system and high-precision inertial navigation system can be used for high-precision static angle measurement system. JHT-I-B-type high-precision Quartz Flexible Accelerometer for attitude determination and navigation of various objects. While the inertial navigation system and control system aircraft and aerospace ships, tanks, military vehicles, but also has a wide range of applications. JHT-I-C Quartz Flexible Accelerometer can be used in tanks, military vehicles and other navigation systems.

2. Main parameters

No.	Parameter	JHT-I-H	JHT-I-A	JHT-I-B	JHT-I-C	Rating
1	Bias	1	3	3	5	mg
2	Scale Factor	1.2±0.2	1.2±0.2	1.2±0.2	1.2±0.2	mA/g
3	Second-order Nonlinearity	5	10	20	20	μg/g2
4	Bias Temp Sensitivity	15	20	30	50	μg/℃
5	Scale Factor Temp Sensitivity	15	20	30	50	PPm/℃
6	Bias Long-term repeatability (1 month or 3 months)	10	20	30	40	μg
7	Scale Factor Long-term repeatability (1 month or 3 months)	10	20	30	40	ppm
8	Second-order Nonlinearity Long-term repeatability (1 month or 3 months)	5	10	10	20	μg/g2
9	Natural Frequency	800	800	800	800	Hz
10	Range	±20, 30, 40, 50, 60	±20, 30, 40, 50, 60	±20, 30, 40, 50, 60	±20, 30, 40, 50, 60	g

11	Vibration	15g(20～2000Hz)	15g(20～2000Hz)	15g(20～2000Hz)	15g(20～2000Hz)	g，Hz
12	Shock	150g, 4ms,1/2sin	150g, 4ms,1/2sin	150g, 4ms,1/2sin	150g, 4ms,1/2sin	g，ms
13	Operating Temp	-45～+85	-45～+85	-45～+85	-45～+85	℃
14	Test Temp	-45～+80	-45～+80	-45～+80	-45～+80	℃
15	Weight	80	80	80	80	g
16	Resolution	1×10-6	1×10-6	1×10-6	1×10-6	g
17	Supply Voltage	±12～±15	±12～±15	±12～±15	±12～±15	V
18	Feature	Very-high Precision	High Precision	Inertial navigation	Inertial navigation