

ER-QA-02A High-Precision And Anti-Vibration Quartz Accelerometer For Aerospace

Application

ER-QA-02A High-Precision and Anti-Vibration Quartz Accelerometer for aerospace is suitable for the environment which has high requirement of circumstance and precision.

Specifications

No	Parameter	ER-QA-02A02	ER-QA-02A01	Unit
1	Bias	≤7	≤7	mg
2	Scale Factor	0.1~1.5	0.1~1.5	mA/g
3	Second-order Non-linearity	≤50	≤50	μg/g ²
4	Bias Temp Coefficient	≤50	≤80	μg/°C
5	Scale Factor Temp Coefficient	≤60	≤80	Ppm/°C
6	Bias Repeatability	≤60 (3~7 days)	≤60 (one day)	μg
7	Scale Factor Repeatability	≤60 (3~7 days)	≤60 (one day)	ppm
8	Second-order Non-linearity Repeatability	≤50 (3~7 days)	≤50 (one day)	g/g ²
9	Acceleration Range	≥10	≥10	g
10	Vibration	8	8	grms
11	Shock	120g, 4.5ms, 1/2sin%	120g, 4.5ms, 1/2sin%	g, ms
12	Working Temperature	-45~+100	-45~+100	°C
13	Weight	≤80	≤80	g
14	Working Voltage	±12~±15	±12~±15	V

Dimension

