

Application:

ER-QA-01F can be used in small inertial navigation system with features of high performance and small volume.

Feature:

High precision and small volume.

**Specifications:**

No.	Parameter	Performance Indicator		Unit
		02	01	
1	Bias	≤3	≤6	mg
2	Scale Factor	0.8~1.2	0.8~1.2	mA/g
3	Second-order Nonlinearity	≤20	≤50	μg/g ²
4	Bias Temp Coefficient	≤30	≤50	μg/°C
5	Scale Factor Temp Coefficient	≤30	≤80	ppm/°C
6	Bias Repeatability	≤30(one month)	≤50(one week)	μg
7	Scale Factor Repeatability	≤30(one month)	≤50(one week)	ppm
8	Second-order Nonlinearity Repeatability	≤10(one month)	≤20(one week)	μg/g ²
9	Natural Frequency	≤800	≤800	Hz
10	Acceleration Range	≥20	≥20	g
11	Vibration	8	8	grms

12	Shock	120g,4.5ms,1/2sin	120g,4.5ms,1/2sin	g, ms
13	Operating Temp	-45~+80	-45~+80	°C
14	Weight	≤30	≤30	g
15	Resolution	≤5×10 ⁻⁶	≤5×10 ⁻⁶	g
16	Operating Voltage	±12~±15	±12~±15	V

Dimension

