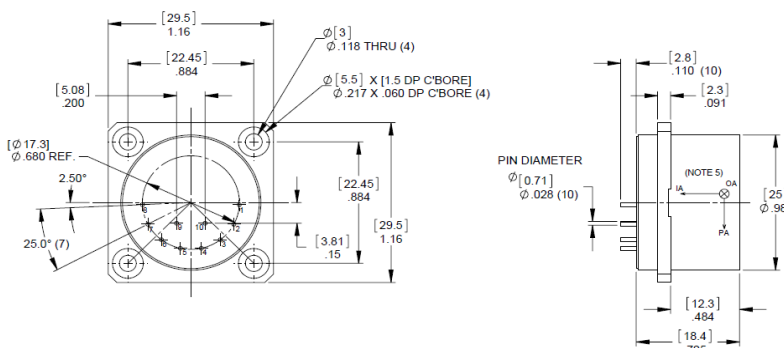


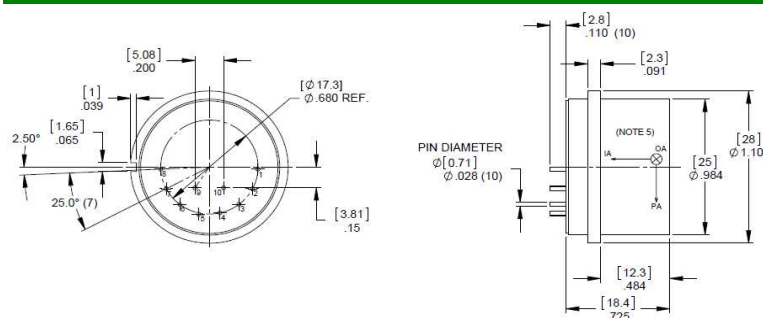
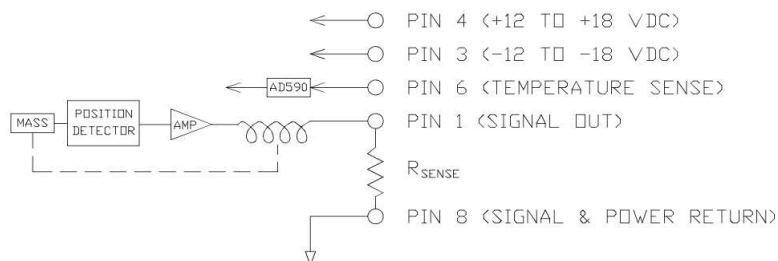
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QFA-125 Series High Temperature Quartz Flexure Accelerometer



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Performance Specifications

Performance

Acceleration Range, g Max. (Note 1)	±30
Scale Factor, mA/g (Note 2)	1.1 to 1.4
Bias, milli-g, Max. (@ 25° C)	40
Axis Alignment, mRad, Max. (@ 25° C)	±15
Threshold and Resolution, µg, Max.	10
Bandwidth, Hz, Min.	300
Scale Factor Temp. Sens, PPM/°C, Max.:	
+25°C to +100°C	±80
+100°C to +125°C	±170
Bias Temp. Sens, µg/°C, Max.	±100
Scale Factor Stability (1 year composite)	less than 350 ppm
Bias Stability (1 year composite)	less than 500 ug
Noise, mgrms, Max. (0Hz to 10kHz) (Max.)	3
Weight (grams)	55

Electrical

Input Voltage, Vdc	±12 to ±18
Input Current (quiescent), mA (Max.)	12
Output Impedance, ohms	External Load Resistor Dependent

Environmental

Operational Temp Range, °C	-55°C to +125°C
Vibration, (Sine)	25 Hz to 500 Hz, 25g
Vibration, (Random) Rectification, ug/g ² rms	50 Hz to 500 Hz, 100 ug/g ² rms
Shock, g (0.5 msec, 1/2 sine)	1000

Note 1: Specifications apply and are characterized up to ±1g range. The accelerometer is capable of supplying acceleration information up to ±30g but at reduced accuracy.

Note 2: Voltage output via customer supplied load resistor.

Custom Capabilities

Scale factor shown in mA/g as a standard. If you require scale factor in volts/g, please specify voltage range when ordering.

How to Order

Model #	Part #
QFA-125-30G-SQ	848205-001
QFA-125-30G-RD	848206-001

Accelerometers exported from the United States must be done in accordance with the Export Administration Regulations (EAR) and/or the International Traffic in Arms Regulations (ITAR) as applicable.

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