

High temperature application accelerometer



Features

- Corrosion resistant
- Hermetic seal
- ESD protection

Dynamic

Sensitivity, $\pm 20\%$, 25°C	6 pC/g
Acceleration range	5000 g peak
Amplitude nonlinearity.....	$\pm 1\%/1000\text{g}$
Frequency response:	
$\pm 10\%$	1 - 4,000 Hz
$\pm 3\text{ dB}$	0.3 - 6,000 Hz
Resonance frequency.....	32 kHz
Transverse sensitivity, max.....	5% of axial
Temperature response, max:	
-70°C	-10%
$+260^{\circ}\text{C}$	$+10\%$

Electrical

Power requirement:	Charge output
Output capacitor, max.....	630 pF
Insulation(@100 Vdc).....	100 M Ω
Grounding.....	case ground

Environmental

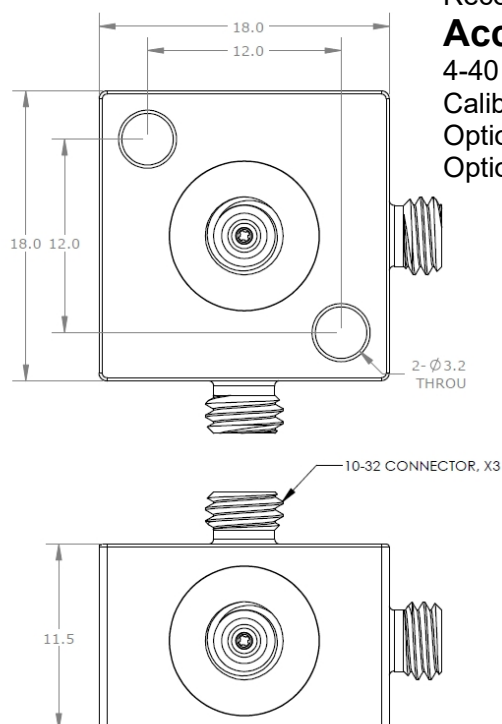
Temperature range.....	-70 to 260°C
Vibration limit.....	5000 g peak
Shock limit.....	10,000 g peak
Electromagnetic sensitivity, equiv g, max	70 $\mu\text{g/gauss}$
Sealing	Hermetic
Base strain sensitivity, max.....	0.0002 g/ μstrain

Physical

Sensing element design.....	PZT ceramic/shear
Weight.....	28 grams
Case material.....	Stainless steel
Mounting.....	4-40 screw(0.7NM)
Output connector.....	10-32
Recommended cabling.....	10-32 to BNC low noise

Accessories

4-40 Socket head cap screws and washer
 Calibration certificate
 Optional insulation mounting base: PM0277.
 Optional mating cable, low noise with 10-32 to BNC connector: 11P.



Ordering Information

