

Miniature PE accelerometer

Dynamic

Sensitivity, $\pm 20\%$, 25°C.....	2 pC/g
Acceleration range	500 g peak
Amplitude nonlinearity.....	1%
Frequency response:	
± 10%.....	1 - 8,000 Hz
± 3 dB.....	0.5 - 10,000 Hz
Resonance frequency.....	32 kHz
Transverse sensitivity, max.....	5% of axial
Temperature response, max:	
-70°C.....	-10%
+260°C.....	+10%

Electrical

Electrical noise, Broadband Spectral(g):	
2 Hz to 20 kHz.....	3 mg
Bias output voltage, 25°C.....	8 - 12 VDC
Grounding.....	Case grounded

Environmental

Temperature range.....	-70 to 260°C
Vibration limit.....	1,000 g peak
Shock limit.....	5,000 g peak
Electromagnetic sensitivity, equiv g, max	90 μ g/gauss
Sealing	Hermetic
Base strain sensitivity, max.....	0.0002 g/ μ strain

Physical

Sensing element design.....	Ceramic/shear
Weight.....	0.9 grams
Case material.....	Titanium
Output connector.....	M3

Accessories

- Low noise mating cable with BNC output
- Calibration certificate

Note: Frequency response limits spectral and noise values are typical

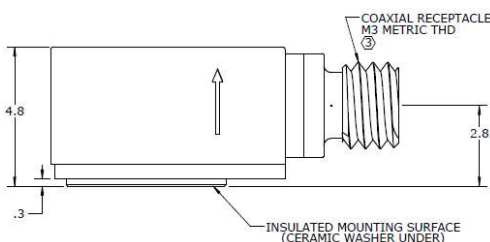
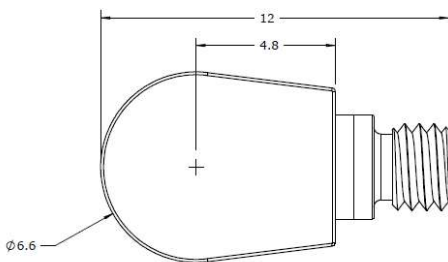


Features

- Miniature size
- Adhesive mounting
- Hermetic seal
- Annular shear mode
- Wide frequency response
- Shock duration

Application

- Vibration monitoring
- Shock testing
- Satellite testing
- Modal analysis
- Aircraft testing



Ordering Information

