



## Miniature IEPE accelerometer

### Dynamic

Sensitivity, ±10%, 25°C.....	2.5 mV/g
Acceleration range .....	2000 g peak
Amplitude nonlinearity.....	1%
Frequency response:	
± 10%.....	1 - 9000 Hz
± 3 dB.....	0.5 - 11000 Hz
Resonant frequency.....	48 kHz
Transverse sensitivity, max.....	5% of axial
Temperature response:	
-55°C.....	-10%
+125°C.....	+10%

### Electrical

Power requirement: voltage source .....	18 - 30 VDC
current regulating diode .....	2 - 10 mA
Electrical noise, Broadband Spectral (g):	
2 Hz to 20 kHz.....	6 mg
Output impedance, max.....	100 $\Omega$
Bias output voltage.....	8 - 12 VDC
Grounding.....	Case grounded

### Environmental

Temperature range.....	-55 to 125°C
Vibration limit.....	2000 g peak
Shock limit.....	5000 g peak
Electromagnetic sensitivity, equiv g, max .....	90 $\mu$ g/gauss
Sealing .....	IP68
Base strain sensitivity, max.....	0.0002 g/ $\mu$ strain

### Physical

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

### Accessories

- Mating cable with BNC output
- Calibration certificate

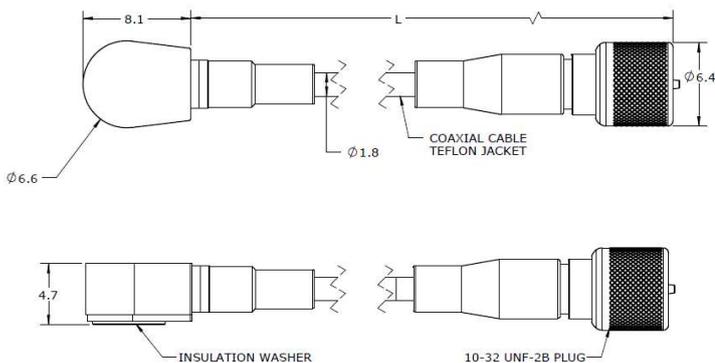
Note: Frequency response limits spectral and noise values are typical

### 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

