



Embedded IEPE accelerometer

Dynamic

Sensitivity, $\pm 10\%$, 25°C.....	100 mV/g
Acceleration range	20 g peak
Amplitude nonlinearity.....	1%
Frequency response:	
± 5%.....	1 - 7,000 Hz
±1dB.....	1 - 10,000 Hz
± 3 dB.....	0.5 - 12,000 Hz
Resonance frequency.....	38 kHz
Transverse sensitivity, max.....	5% of axial
Temperature response:	
-50°C.....	-10%
+120°C.....	+10%

Features

- Miniature size
- Size 10X9(mm)
- Low power consumption
- Cable output
- Annular shear mode
- Wide temperature range
- Wide frequency response

Application

- Embedded monitoring
- Shock testing
- Modal analysis
- Machine monitoring

Electrical

Power requirement: voltage source	3.0 – 5.5 VDC
Resolution, Broadband Spectral(g):.....	1 mg
Output impedance, max.....	100 Ω
Bias output voltage.....	VCC/2
Current consumption.....	<0.15mA
Warm up time.....	<1s
Grounding.....	Case grounded

Environmental

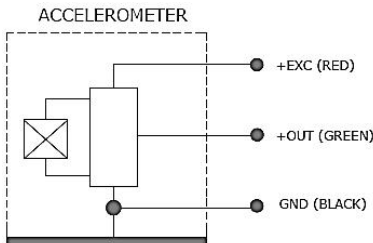
Temperature range.....	-50 to 125°C
Vibration limit.....	500 g peak
Shock limit.....	5,000 g peak
Electromagnetic sensitivity, equiv g, max	70 μ g/gauss
Sealing	Epoxy
Base strain sensitivity, max.....	0.0002 g/ μ strain

Physical

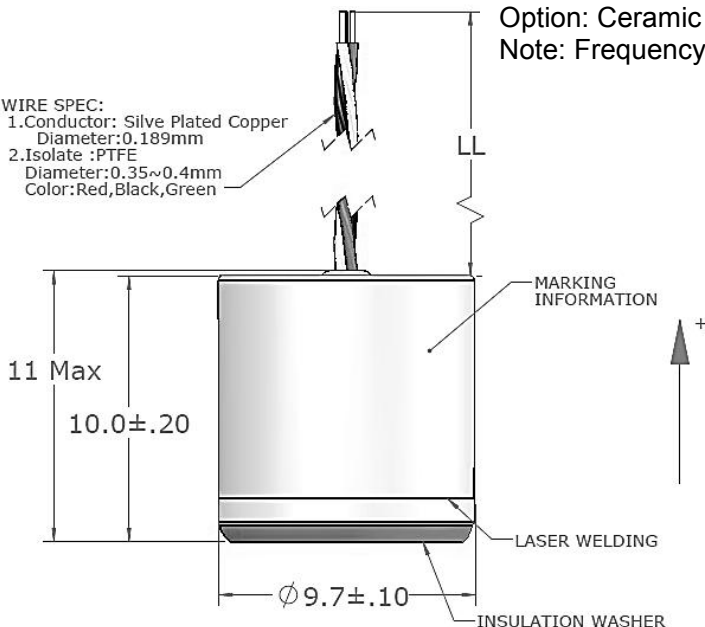
Sensing element design.....	PZT ceramic/shear
Weight.....	5 grams
Case material.....	Stainless Steel
Output.....	3 wires

Accessories

- Calibration certificate
- Option: Ceramic washer
- Note: Frequency response limits spectral and noise values are typical



WIRE SPEC:
 1. Conductor: Silver Plated Copper
 Diameter: 0.189mm
 2. Isolate : PTFE
 Diameter: 0.35~0.4mm
 Color: Red, Black, Green



Ordering Information

