

High temperature application accelerometer

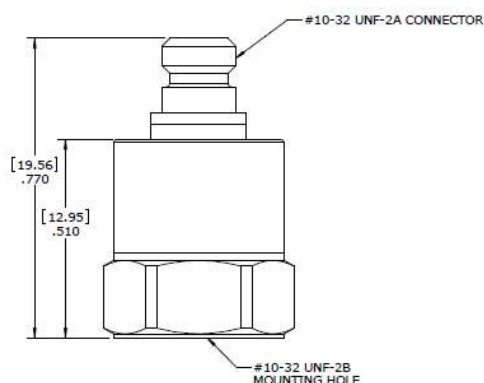
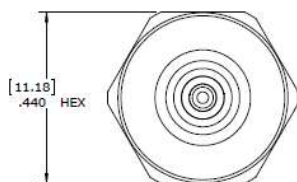


Features

- Miniature Size
- Adhesive or stud mounting
- Hermetic seal
- Annular shear mode
- Wide frequency response

Application

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



Dynamic

Sensitivity, nominal, 25°C.....	5 pC/g
Acceleration range	2000 g peak
Amplitude nonlinearity.....	1%
Frequency response:	
± 5%.....	1 - 7,000 Hz
±1dB.....	1 - 10,000 Hz
± 3 dB.....	0.5 - 15,000 Hz
Resonance frequency.....	40 kHz
Transverse sensitivity, max.....	5% of axial
Temperature response, max:	
-70°C.....	-10%
+260°C.....	+10%

Electrical

Output capacitor, max.....	1100 pF
noise, Broadband Spectral(g):	
1 Hz to 10 kHz.....	100 µg
Grounding.....	Case grounded

Environmental

Temperature range.....	-70 to 260°C
Vibration limit.....	2000 g peak
Shock limit.....	5,000 g peak
Electromagnetic sensitivity, equiv g, max	70 µg/gauss
Sealing	Hermetic
Base strain sensitivity, max.....	0.0002 g/µstrain

Physical

Sensing element design.....	PZT ceramic/shear
Weight.....	7 grams
Case material.....	Stainless Steel
Output connector.....	10-32

Accessories

Mounting stud: M5(-M), 10-32(-E), or W/O

Low noise mating cable with BNC output

Calibration certificate

Note: Frequency response limits spectral and noise values are typical

Ordering Information

571P-5	
└──	Output in pC
└──	Charge type
└──	Model