

Accelerometer

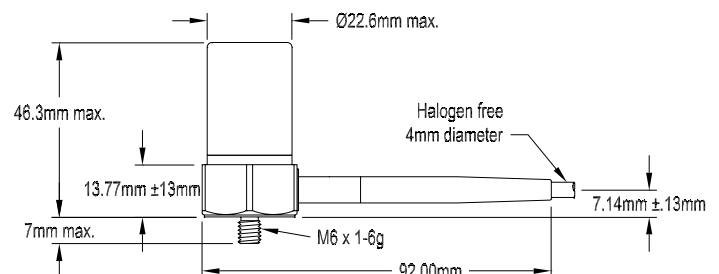
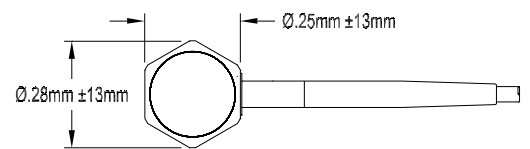
FN8-5

SPECIFICATIONS

Measurement range	±5 g
Sensitivity, 25°C	500 mV/g
Transverse sensitivity, max	3%
Nonlinearity 5°C < T < 25°	<1% max, typically <0.3% ±1.5% (ref 20°C), typically <0.5%
Passband at ±10%	<5 Hz to >10 kHz
Resonance frequency	>25 kHz
Power supply rejection	>40 dB
Background noise: 5 to 25 kHz 1/3 octave from 10 to 1 kHz	<0.1 mg <0.02 mg
Output impedance, max	200 Ω
Power requirement: Voltage source Current regulating diode	18 - 30 VDC 10 mA ±2.5%
Bias output voltage, nominal	9.5 VDC
Grounding	case isolated, case connected to outer shield
Base strain sensitivity, max	<0.75 g for 250 µstrain
Acoustic sensitivity 100 dB SPL 1/3 octave 100 Hz - 10 kHz	<0.1 mg
Sensitivity to environment: Magnetic (B = 0.75 mT) Magnetic (per IT 8839) Pressure (700 < B < 1300 mB)	<0.1 mg <10 µV, typical <0.1 mg
Shock limit (half sine, 0.5 ms)	5,000 g peak
Storage temperature range	-40° to +70°C
Recommended cabling	shielded, twisted pair, halogen-free
Integral mounting	M6 x 1-6 g
Dynamic mass	63 grams
Case material	titanium

Key features

- High sensitivity
- Integral cable
- Manufactured in ISO 9001 facility



Note: Due to continuous process improvement, specifications are subject to change without notice.
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