High frequency accelerometers



SPECIFICATIONS

Sensitivity, ±5%, 25°C	10 mV/g
Acceleration range	500 g peak
Amplitude nonlinearity	1%
Frequency response: ±5%	2.0 - 15,000 Hz
±3 dB	0.5 - 25,000 Hz
Resonance frequency	60 kHz
Transverse sensitivity, max	7% of axial
Temperature response: -50°C	-10%
+120°C	+5%
Power requirement: Voltage source	18 - 30 VDC
Current regulating diode	2 - 10 mA
Electrical noise, equiv. g:	
Broadband 2.5 Hz to 25 kHz	200 μg
Spectral 10 Hz	20 μg/√Hz
100 Hz	3 μg/√Hz
1,000 Hz	2 μg/√Hz
10,000 Hz	2 μg/√Hz
Output impedance, max	100 Ω
Bias output voltage	10 VDC
Grounding	case grounded
Temperature range	–50° to +120°C
Vibration limit	500 g peak
Shock limit	5,000 g peak
Electromagnetic sensitivity, equiv. g	100 μg/gauss
Base strain sensitivity	0.005 g/µstrain
Sensing element design	PZT ceramic / compression
Weight	13 grams
Case material	316L stainless steel
Mounting	10-32 tapped hole
Output connector	10-32 coaxial
Mating connector	R1
Recommended cabling	J93

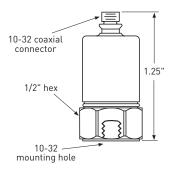
Accessories supplied: SF1 mounting stud (metric mounting available); calibration data (level 3)



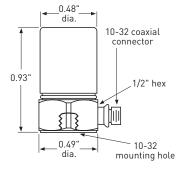


Key features

- · Compact size
- Wide dynamic range
- · Manufactured in ISO 9001 facility



Model 732AT



Model 732A

Connections	
Function	Connector pin / cable conductor
power/signal	pin / center
common	shell / shield

Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.