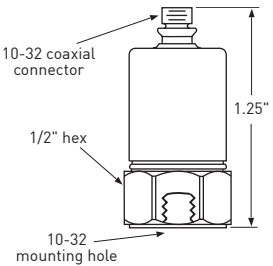


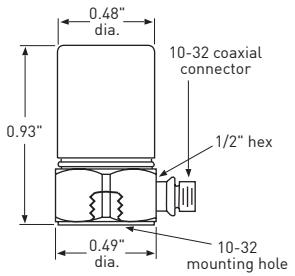
Model 732A/732AT High frequency accelerometer



- Features**
- Wide dynamic range
 - Compact construction to fit in tight spaces
 - Wide frequency range



Model 732AT



Model 732A

Dynamic

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%

Electrical

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

Environmental

Temperature range	-50°C 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

Physical

Sensing element design	PZT ceramic / compression
Weight	13 grams
Material	316L stainless steel
Mounting	10-32 tapped hole
Output connector.....	10-32 coaxial
Mating connector	R1
Recommended cabling.....	J93

Connector Pin	Function	Cable conductor
Shell	common	shield
Pin	power / signal	center

Accessories supplied: SF1 mounting stud (International customers specify mounting requirements); calibration data (level.3).

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