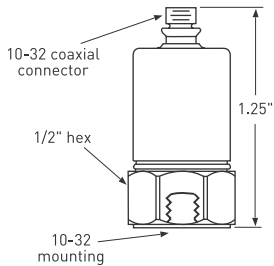


Model 732A/732AT High frequency accelerometer

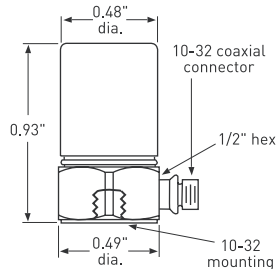


Features

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



Model 732AT



Model 732A

Dynamic

Sensitivity, $\pm 5\%$, 25°C.....	10 mV/g
Acceleration range	500 g peak
Amplitude nonlinearity.....	1%
Frequency response	
$\pm 5\%$	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 μ g
Spectral	10 Hz..... 20 μ g/ \sqrt Hz
	100 Hz..... 3 μ g/ \sqrt Hz
	1,000 Hz..... 2 μ g/ \sqrt Hz
	10,000 Hz..... 2 μ g/ \sqrt 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 μ g/gauss
Base strain sensitivity	0.005 g/ μ strain

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).