



732-1D

High frequency accelerometer

SPECIFICATIONS

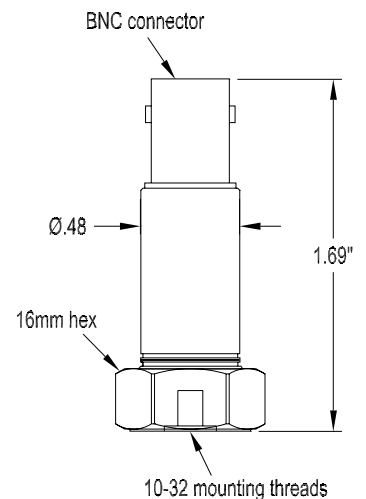
Sensitivity, $\pm 5\%$, 25°C		10 mV/g
Acceleration range		500 g peak
Amplitude nonlinearity		1%
Frequency response:	$\pm 5\%$	1.0 - 15,000 Hz
	± 3 dB	0.4 - 22,000 Hz
Resonance frequency, mounted, nominal		28 kHz
Transverse sensitivity, max		5% of axial
Temperature response:	-50°C	-10%
	+120°C	+5%
Power requirement:		
Voltage source		18 - 30 VDC
Current regulating diode		2 - 10 mA
Electrical noise, equiv. g:		
Broadband	2.5 Hz to 25 kHz	250 μ g
	10 Hz	20 μ g/ $\sqrt{\text{Hz}}$
	100 Hz	4 μ g/ $\sqrt{\text{Hz}}$
	1,000 Hz	2 μ g/ $\sqrt{\text{Hz}}$
	10,000 Hz	2 μ g/ $\sqrt{\text{Hz}}$
Spectral		
Output impedance, max		100 Ω
Bias output voltage		10 VDC
Grounding		base isolated
Temperature range		-50° to +120°C
Vibration limit		500 g peak
Shock limit		5,000 g peak
Electromagnetic sensitivity, equiv. g, max		100 μ g/gauss
Base strain sensitivity		0.005 g/ μ strain
Sensing element design		PZT, compression
Weight		28 grams
Case material		316L stainless steel
Mounting		10-32 tapped hole
Output connector		BNC coaxial
Mating connector		R2
Recommended cabling		J93

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



Key features

- Ideal for high-impact or high-speed applications
- Compact size
- Wide dynamic range
- Manufactured in ISO 9001 facility



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

Connections	
Function	Connector pin
power/signal	pin
common	shell

The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification.

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