High frequency integral cable accelerometer

712F

SPECIFICATIONS

Sensitivity, ±10%, 25°C		100 mV/g
Acceleration range		60 g peak
Amplitude nonlinearity		1%
Frequency response:	±5% ±10% ±3 dB	9.0 - 15,000 Hz 6.0 - 20,000 Hz 3.0 - 25,000 Hz
Resonance frequency, mount	ted	>45 kHz
Transverse sensitivity, max		3% of axial
Temperature response:	–50°C +120°C	-10% +10%
Power requirement: Voltage source Current regulating diode		18 - 30 VDC 2 - 10 mA
Electrical noise, equiv. g, nor Broadband 2.5 H Spectral	ninal: z to 25 kHz 10 Hz 100 Hz 1,000 Hz	1,000 μg 25 μg/√Hz 10 μg/√Hz 8 μg/√Hz
Output impedance, max		100 Ω
Bias output voltage, nominal		12 VDC
Grounding		case isolated, internally shielded
Temperature range		–50° to +120°C
Vibration limit		±1,000 g
Shock limit, max		5,000 g peak
Sealing		hermetic
Base strain sensitivity, max		0.03 g/µstrain
Sensing element design		PZT ceramic / shear
Weight		35 grams
Case material		316L stainless steel
Mounting		8-32 captive screw with 0.047" diameter safety wire hole
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Accessories supplied: 8-32 captive screw; calibration data (level 2)

CE

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

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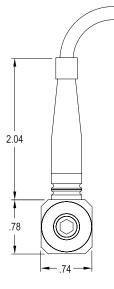
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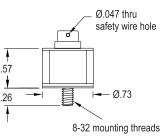




Key features

- Compact size, lightweight
- High frequency detection (25 kHz)
- Available with M4 mounting thread
- Manufactured in ISO 9001 facility





Connections		
Function	Cable conductor color	
power/signal	white	
common	black	
case	shield	