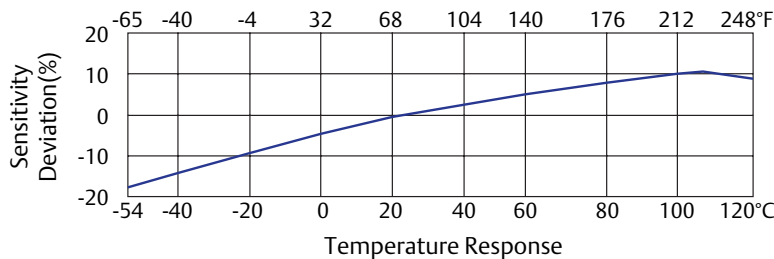
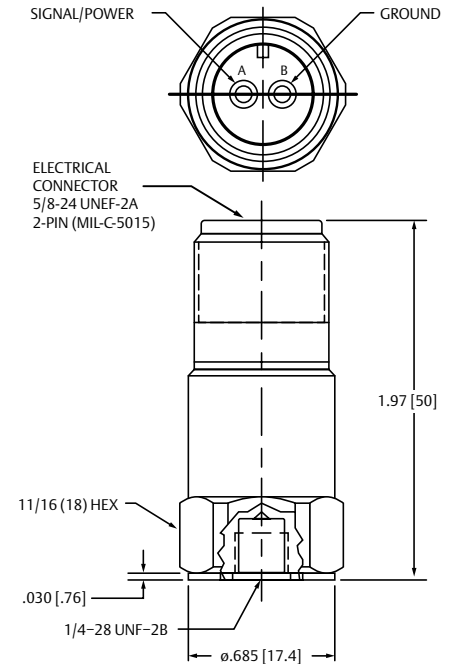


High Frequency Accelerometer

Dynamic Performance	
Sensitivity ($\pm 5\%$)	100 mV/g (10.2 mV/m/s ²)
Measurement Range	± 50 g (± 490 m/s ²)
Frequency Range:	($\pm 5\%$) 2.40 to 8,000 Hz (144 to 480,000 cpm)
	($\pm 10\%$) 1.70 to 10,000 Hz (102 to 600,000 cpm)
	(± 3 dB) 0.80 to 15,000 Hz (48 to 900,000 cpm)
Mounted Resonant Frequency	40 kHz Nominal
Amplitude Linearity	$\pm 1\%$ (0 Based, Least Squares, Straight Line)
Transverse Sensitivity	$\leq 5\%$
Environmental	
Shock Limit	5,000g pk (49,050 m/s ²)
Temperature Range	-54 to 121°C (-65 to 250°F)
Temperature Response	See Graph
Sealing / Rating	Welded Hermetic / IP68
Electrical	
Settling Time	≤ 2 sec (Within 1% Output Bias)
Discharge Time Constant	≥ 0.2 sec
Excitation Voltage / Current	18 to 28 VDC / 2 to 20 mA
Output Impedance	<100 ohms
Output Bias	8 to 12 VDC
Broadband Resolution (1 to 10 KHz)	100 μ g (981 μ m/s ²) Electrical Noise
Case Isolation	$>10^8$ ohms



Mechanical	
Weight	51 grams (1.8 oz)
Mounting Thread	¼-28 UNF-2B
Mounting Torque	2.7 to 6.8 Nm (2 to 5 lb ft)
Sensor Element / Geometry	Ceramic / Shear
Case Material	Stainless Steel
Connector Type (Top)	MIL-C-5015, 2 Pin Pin A – Signal/Power Pin B – Ground
Supplied Accessories	
Multiple Point Calibration	
¼-28 Mounting Stud	

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