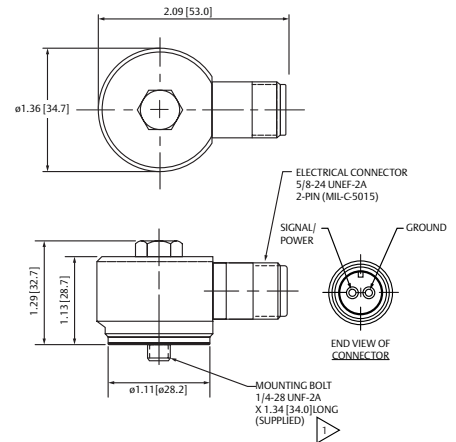
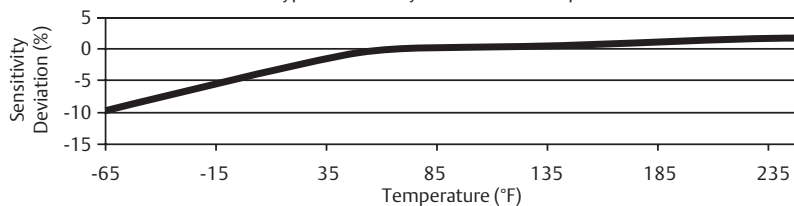


# General Purpose Accelerometer

Dynamic Performance	
Sensitivity (±5%)	100 mV/g (10.2 mV/m/s <sup>2</sup> )
Measurement Range	±50 g (±490 m/s <sup>2</sup> )
Frequency Range:	(±5%) 0.50 to 6,500 Hz (30 to 390,000 cpm)
	(±10%) 0.37 to 7,500 Hz (22 to 450,000 cpm)
	(±3 dB) 0.20 to 10,500 Hz (12 to 630,000 cpm)
Mounted Resonant Frequency	25 kHz Nominal
Amplitude Linearity	±1% (0 Based Straight Line Method)
Transverse Sensitivity	≤5%
Environmental	
Shock Limit	5,000g pk (49,050 m/s <sup>2</sup> )
Temperature Range	-54 to 121°C (-65 to 250°F)
Temperature Response	See Graph
Sealing / Rating	Welded Hermetic / IP68
Electrical	
Settling Time	≤8.0 sec (Within 1% Output Bias)
Discharge Time Constant	≥1.0 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)	50 µg (491 µm/s <sup>2</sup> ) Electrical Noise
Case Isolation	>10 <sup>8</sup> ohms
Protection	RFI/ESD
Supplied Accessories	
Multi Point Calibration	
¼-28 Mounting Bolt	



Typical Sensitivity Deviation vs. Temperature



Mechanical	
Weight	145 grams (5.1 oz)
Mounting Thread	¼-28 UNF
Mounting Torque	2.7 to 6.8 Nm (2 to 5 lb ft)
Sensor Element / Geometry	Ceramic / Shear
Case Material	Stainless Steel
Connector Type (Side)	MIL-C-5015, 2 Pin

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