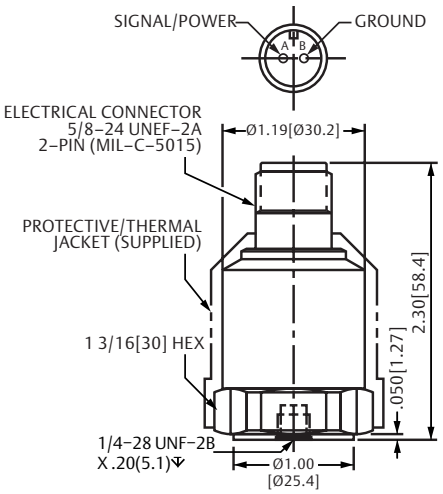
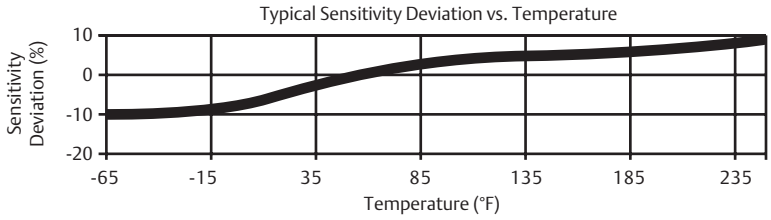
Low Frequency Accelerometer



Dynamic Performance		
Sensitivity (±5%)		500 mV/g (51.0 mV/m/s²)
Measurement Range		±10 g (±98 m/s²)
Frequency Range:	(±5%)	0.50 to 2,000 Hz (30 to 120,000 cpm)
	(±10%)	0.37 to 4,000 Hz (22 to 240,000 cpm)
	(±3 dB)	0.20 to 6,000 Hz (12 to 360,000 cpm)
Mounted Resonant Frequency		12 kHz Normal
Amplitude Linearity		±1% (0 Based Straight Line Method)
Transverse Sensitivity		≤7%
Environmental		
Shock Limit		2,500g pk (24,525 m/s²)
Temperature Range		-54 to 121°C (-65 to 250°F)
Temperature Response		See Graph
Sealing / Rating		Welded Hermetic / IP68
Electrical		
Settling Time		≤3 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)		20 µg (196 µm/s²) Electrical Noise
Case Isolation		>10⁸ ohms



Mechanical	
Weight	199 grams (7.0 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 (Top)	MIL-C-5015, 2 Pin
Supplied Accessories	
Multi Point Calibration	
¼-28 Mounting Stud	

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