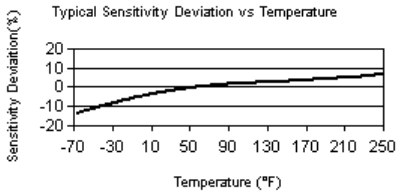
Model Number **352C43**	**ACCELEROMETER, ICP®**	Revision D ECN #: 27372

Performance	**ENGLISH**	**SI**	
Sensitivity (±10 %)	10 mV/g	1.02 mV/(m/s²)	
Measurement Range	±500 g pk	±4905 m/s² pk	
Frequency Range (±5 %)	1 to 8000 Hz	1 to 8000	
Frequency Range (±10 %)	0.5 to 10000 Hz	0.5 to 10000	
Frequency Range (±3 dB)	0.3 to 13000 Hz	0.3 to 13000	
Resonant Frequency	≥30 kHz	≥30 kHz	
Broadband Resolution (1 to 10000 Hz)	0.0008 g rms	0.008 m/s² rms	[1]
Non-Linearity	≤1 %	≤1 %	[2]
Transverse Sensitivity	≤5 %	≤5 %	[3]
Environmental			
Overload Limit	±5000 g pk	±49050 m/s² pk	
Temperature Range	-65 to +250 °F	-54 to +121 °C	
Temperature Response	See Graph	See Graph	[1]
Electrical			
Excitation Voltage	22 to 30 VDC	22 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤200 ohm	≤200 ohm	
Output Bias Voltage	8 to 15 VDC	8 to 15 VDC	
Discharge Time Constant	0.5 to 2.0 sec	0.5 to 2.0 sec	
Settling Time (within 10% of bias)	<10 sec	<10 sec	
Spectral Noise (1 Hz)	200 µg/√Hz	1962 (µm/sec^2 /√Hz	[1]
Spectral Noise (10 Hz)	60 µg/√Hz	589 (µm/sec^2 /√Hz	[1]
Spectral Noise (100 Hz)	15 µg/√Hz	147 (µm/sec^2 /√Hz	[1]
Spectral Noise (1 kHz)	8 µg/√Hz	79 (µm/sec^2 /√Hz	[1]
Electrical Isolation	>10^8 ohm	>10^8 ohm	
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Welded Hermetic	Welded Hermetic	
Size (Hex x Height)	0.438 in x 0.42 in	11.1 mm x 10.7 mm	
Weight	0.10 oz	3.0 gm	[1]
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Electrical Connection Position	Top	Top	
Mounting	Adhesive	Adhesive	

CE[4]



All specifications are at room temperature unless otherwise specified.
In the interest of constant product improvement, we reserve the right to change specifications without notice.
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Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)

Notes
[1] Typical.
[2] Zero-based, least-squares, straight line method.
[3] Transverse sensitivity is typically <= 3%.
[4] See PCB Declaration of Conformance PS023 for details.

Supplied Accessories
080A109 Petro Wax (1)
080A90 Quick Bonding Gel (1)
ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)

Entered: BLS	Engineer: BAM	Sales: EJV	Approved: BLS	Spec Number:
Date: 09/24/2007	Date: 09/21/2007	Date: 09/21/2007	Date: 09/27/2007	**17202**

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