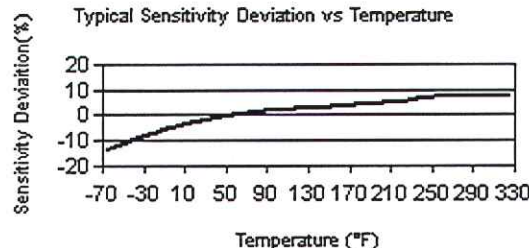


Model Number 352C44	ICP® ACCELEROMETER			Revision: H ECN #: 34607
Performance	ENGLISH	SI	OPTIONAL VERSIONS	
Sensitivity(± 10 %)	100 mV/g	10.2 mV/(m/s ²)	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Measurement Range	± 50 g pk	± 491 m/s ² pk	HT - High temperature, extends normal operation temperatures	
Frequency Range(± 5 %)	1 to 8000 Hz	1 to 8000 Hz	Frequency Range(± 5 %)	10 to 8000 Hz
(± 10 %)	0.5 to 10,000 Hz	0.5 to 10,000 Hz	(± 10 %)	8 to 10,000 Hz
(± 3 dB)	0.3 to 13,000 Hz	0.3 to 13,000 Hz	(± 3 dB)	4 to 13,000 Hz
Resonant Frequency	≥ 30 kHz	≥ 30 kHz	Broadband Resolution(1 to 10,000 Hz)	0.0005 g rms
Broadband Resolution(1 to 10,000 Hz)	0.0005 g rms	0.005 m/s ² rms [1]	Temperature Range(Operating)	-65 to +325 °F
Non-Linearity	≤ 1 %	≤ 1 % [3]	Excitation Voltage	24 to 30 VDC
Transverse Sensitivity	≤ 5 %	≤ 5 %	Discharge Time Constant	0.04 to 0.12 sec
Environmental			Spectral Noise(1 Hz)	200 µg/√Hz
Overload Limit	± 5000 g pk	± 49,050 m/s ² pk	(10 Hz)	70 µg/√Hz
Temperature Range	-65 to +250 °F	-54 to +121 °C [2]	(100 Hz)	10 µg/√Hz
Temperature Response	See Graph	See Graph [1]	(1 kHz)	2 µg/√Hz
Electrical			Output Bias Voltage	7 to 16 VDC
Excitation Voltage	22 to 30 VDC	22 to 30 VDC	W - Water Resistant Cable	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	Electrical Connector	Sealed Integral Cable Sealed Integral Cable
Output Impedance	≤ 600 ohm	≤ 600 ohm	NOTES:	
Output Bias Voltage	8 to 15 VDC	8 to 15 VDC	[1] Typical.	
Discharge Time Constant	0.5 to 2.0 sec	0.5 to 2.0 sec	[2] 250° F to 325° F data valid with HT option only.	
Settling Time(within 10% of bias)	<10 sec	<10 sec	[3] Zero-based, least-squares, straight line method.	
Spectral Noise(1 Hz)	120 µg/√Hz	1177 (µm/sec ²)/√Hz [1]	[4] See PCB Declaration of Conformance PS023 for details.	
(10 Hz)	30 µg/√Hz	294 (µm/sec ²)/√Hz [1]	SUPPLIED ACCESSORIES:	
(100 Hz)	20 µg/√Hz	196 (µm/sec ²)/√Hz [1]	Model 080A109 Petro Wax (1)	
(1 kHz)	6 µg/√Hz	59 (µm/sec ²)/√Hz [1]	Model 080A90 Quick Bonding Gel (1)	
Electrical Isolation	>10 ⁸ ohm	>10 ⁸ ohm	Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)	
Physical			Entered: <i>JH</i> Engineer: <i>BAM</i> Sales: <i>WDC</i> Approved: <i>JPB</i> Spec Number:	
Sensing Element	Ceramic	Ceramic	Date: <i>12-23-10</i> Date: <i>12-13-10</i> Date: <i>12-13-10</i> Date: <i>12-15-10</i> 17203	
Sensing Geometry	Shear	Shear	PCB PIEZOTRONICS™	
Housing Material	Titanium	Titanium	VIBRATION DIVISION	
Sealing	Welded Hermetic	Welded Hermetic	Phone: 716-684-0001	
Size (Hex x Height)	7/16 in x 0.42 in	7/16 in x 10.7 mm	Fax: 716-685-3886	
Weight	0.10 oz	3.0 gm [1]	E-Mail: vibration@pcb.com	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	3425 Walden Avenue, Depew, NY 14043	
Electrical Connection Position	Top	Top		
Mounting	Adhesive	Adhesive		



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.
ICP® is a registered trademark of PCB Group, Inc.