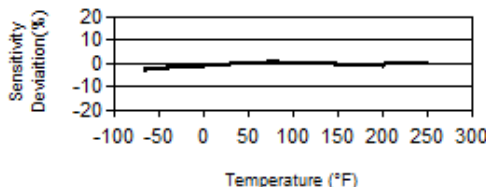


Model Number 352A59		ICP® ACCELEROMETER		Revision: B ECN #: 48707	
Performance		ENGLISH		SI	
Sensitivity(± 15 %)		10 mV/g		1.0 mV/(m/s²)	
Measurement Range		± 500 g pk		± 4900 m/s² pk	
Frequency Range(± 5 %)		1.0 to 10,000 Hz		1.0 to 10,000 Hz	
Frequency Range(± 10 %)		0.7 to 20,000 Hz		0.7 to 20,000 Hz	
Frequency Range(± 3 dB)		0.5 to 30,000 Hz		0.5 to 30,000 Hz	
Resonant Frequency		≥ 65 kHz		≥ 65 kHz	
Broadband Resolution(1 to 10,000 Hz)		.005 g rms		.05 m/s² rms	
Non-Linearity		≤ 1 %		≤ 1 %	
TEDS Compliant(Per IEEE 1451.4)		Yes		Yes	
Transverse Sensitivity		≤ 5 %		≤ 5 %	
Environmental					
Overload Limit(Shock)		± 10,000 g pk		± 98,000 m/s² pk	
Temperature Range(Operating)		-65 to +250 °F		-54 to +121 °C	
Temperature Response		See Graph		See Graph	
Electrical					
Excitation Voltage		18 to 30 VDC		18 to 30 VDC	
Constant Current Excitation		2 to 20 mA		2 to 20 mA	
Output Impedance		≤ 50 Ohm		≤ 50 Ohm	
Output Bias Voltage		7 to 12 VDC		7 to 12 VDC	
Discharge Time Constant		1.0 to 3.5 sec		1.0 to 3.5 sec	
Settling Time(within 10% of bias)		<3.5 sec		<3.5 sec	
Spectral Noise(1 Hz)		225 µg/√Hz		2205 (µm/sec²)/√Hz	
Spectral Noise(10 Hz)		50 µg/√Hz		490 (µm/sec²)/√Hz	
Spectral Noise(100 Hz)		10 µg/√Hz		98 (µm/sec²)/√Hz	
Spectral Noise(1 kHz)		8 µg/√Hz		78 (µm/sec²)/√Hz	
Spectral Noise(10 kHz)		5 µg/√Hz		49 (µm/sec²)/√Hz	
Physical					
Size (Height x Length x Width)		.22 in x 0.48 in x 0.25 in		5.6 mm x 12.2 mm x 6.4 mm	
Weight		.03 oz		.9 gm	
Sensing Element		Ceramic		Ceramic	
Sensing Geometry		Shear		Shear	
Housing Material		Titanium		Titanium	
Sealing		Hermetic		Hermetic	
Electrical Connector		M3 Coaxial Jack		M3 Coaxial Jack	
Electrical Connection Position		Side		Side	
Mounting		Adhesive		Adhesive	
CE [4] Typical Sensitivity Deviation vs Temperature 					
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. SUPPLIED ACCESSORIES: Model 030B10 Miniature low-noise PTFE cable, 10-ft, M3 plug to 10-32 plug (1) Model 039A38 One-piece removal tool for model 352A71 (1) Model 080A109 Petro Wax (1) Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1) Entered: LK Engineer: LM Sales: WDC Approved: JJB Spec Number: Date: 9/25/2018 Date: 9/25/2018 Date: 9/25/2018 Date: 9/25/2018 68012 PCB PIEZOTRONICS™ 3425 Walden Avenue, Depew, NY 14043 Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com					