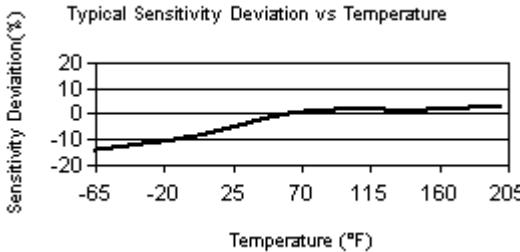


Model Number 356A44		TRIAxIAL ICP® ACCELEROMETER		Revision: NR ECN #: 45778	
Performance		ENGLISH		SI	
Sensitivity(± 10 %)		50 mV/g		5.1 mV/(m/s²)	
Measurement Range		± 100 g pk		± 981 m/s² pk	
Frequency Range(+/-5 %)		0.7 to 7000 Hz		0.7 to 7000 Hz	
Frequency Range(+/-10 %)		0.4 to 10,000 Hz		0.4 to 10,000 Hz	
Resonant Frequency		≥ 30 kHz		≥ 30 kHz	
Broadband Resolution(1 to 10,000 Hz)		0.0006 g rms		.006 m/s² rms	
Non-Linearity		≤ 1 %		≤ 1 %	
Transverse Sensitivity		≤ 6 %		≤ 6 %	
TEDS Compliant(Per IEEE 1451.4)		Yes		Yes	
Environmental					
Overload Limit(Shock)		± 5000 g pk		± 49,050 m/s² pk	
Temperature Range(Operating)		-65 to 200 °F		-54 to 93 °C	
Temperature Response		See Graph		See Graph	
Base Strain Sensitivity		.001 g/µε		.01 (m/s²)/µε	
Electrical					
Excitation Voltage		20 to 30 VDC		20 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 12 VDC		8 to 12 VDC	
Discharge Time Constant		0.8 to 2.4 sec		0.8 to 2.4 sec	
Settling Time(within 10% of bias)		≤ 5 sec		≤ 5 sec	
Spectral Noise(1 Hz)		200 µg/√Hz		1962 (µm/sec²)/√Hz	
Spectral Noise(10 Hz)		45 µg/√Hz		441 (µm/sec²)/√Hz	
Spectral Noise(100 Hz)		20 µg/√Hz		196 (µm/sec²)/√Hz	
Spectral Noise(1 kHz)		6 µg/√Hz		58.9 (µm/sec²)/√Hz	
Physical					
Sensing Element		Ceramic		Ceramic	
Sensing Geometry		Shear		Shear	
Housing Material		Titanium		Titanium	
Sealing		Hermetic		Hermetic	
Size (Height x Length x Width)		0.40 in x 0.40 in x 0.40 in		10.2 mm x 10.2 mm x 10.2 mm	
Weight		0.15 oz		4.2 gm	
Electrical Connector		1/4-28 4-Pin		1/4-28 4-Pin	
Electrical Connection Position		Side		Side	
Mounting		Adhesive		Adhesive	
					
					
<i>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.</i>					
					
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Entered: LK		Engineer: LAB		Sales: WDC	
Date: 8/11/2016		Date: 8/11/2016		Date: 8/11/2016	
Approved: NJF		Spec Number:		62802	