
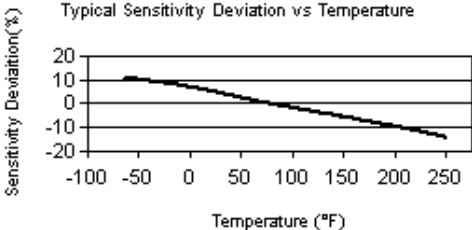



Model Number <b>356A03</b>	<b>TRIAxIAL ICP® ACCELEROMETER</b>			Revision: E ECN #: 40106	
<b>Performance</b>	<b>ENGLISH</b>	<b>SI</b>	<b>OPTIONAL VERSIONS</b>		
Sensitivity(± 20 %)	10 mV/g	1.02 mV/(m/s²)	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.		
Measurement Range	± 500 g pk	± 4905 m/s² pk			
Frequency Range(± 5 %)(y or z axis)	2 to 8000 Hz	2 to 8000 Hz			
Frequency Range(± 5 %)(x axis)	2 to 5000 Hz	2 to 5000 Hz			
Frequency Range(+1 dB)(x axis)	≥ 8 kHz	≥ 8 kHz			
Resonant Frequency	≥ 50 kHz	≥ 50 kHz			
Broadband Resolution(1 to 10,000 Hz)	0.003 g rms	0.03 m/s² rms			[1]
Non-Linearity	≤ 1 %	≤ 1 %			[2]
Transverse Sensitivity	≤ 5 %	≤ 5 %			
<b>Environmental</b>					
Overload Limit(Shock)	± 5000 g pk	± 49,050 m/s² pk			
Temperature Range(Operating)	-65 to +250 °F	-54 to +121 °C			
Temperature Response	See Graph	See Graph	[1]		
<b>Electrical</b>					
Excitation Voltage	21 to 30 VDC	21 to 30 VDC			
Constant Current Excitation	2 to 20 mA	2 to 20 mA			
Output Impedance	≤ 100 Ohm	≤ 100 Ohm			
Output Bias Voltage	9 to 15 VDC	9 to 15 VDC			
Discharge Time Constant	0.24 to 1.0 sec	0.24 to 1.0 sec			
Settling Time(within 10% of bias)	<3 sec	<3 sec			
Spectral Noise(1 Hz)	1200 µg/√Hz	11,772 (µm/sec²)/√Hz	[1]		
Spectral Noise(10 Hz)	300 µg/√Hz	2943 (µm/sec²)/√Hz	[1]		
Spectral Noise(100 Hz)	100 µg/√Hz	981 (µm/sec²)/√Hz	[1]		
Spectral Noise(1 kHz)	30 µg/√Hz	294 (µm/sec²)/√Hz	[1]		
<b>Physical</b>					
Sensing Element	Ceramic	Ceramic			
Sensing Geometry	Shear	Shear			
Housing Material	Titanium	Titanium			
Sealing	Hermetic	Hermetic			
Size (Height x Length x Width)	0.25 in x 0.25 in x 0.25 in	6.35 mm x 6.35 mm x 6.35 mm			
Weight(without cable)	0.04 oz	1.0 gm	[1]		
Electrical Connector	Integral Cable	Integral Cable			
Electrical Connection Position	Side	Side			
Cable Termination	1/4-28 4-Pin Jack	1/4-28 4-Pin Jack			
Cable Length	5 ft	1.5 m			
Cable Type	034 4-cond Shielded	034 4-cond Shielded			
Mounting	Adhesive	Adhesive			
<div><div></div><div>[3]</div></div> <div><p>Typical Sensitivity Deviation vs Temperature</p></div>					
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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Entered: AP	Engineer: RPF	Sales: WDC	Approved: BAM	Spec Number:	
Date: 10/5/2012	Date: 10/5/2012	Date: 10/5/2012	Date: 10/5/2012	<b>46486</b>	