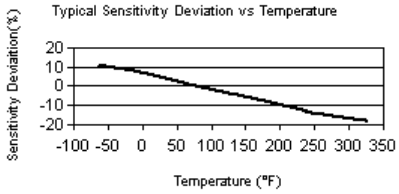
Model Number **356A24**	**ACCELEROMETER, ICP®, TRIAXIAL**	Revision E ECN #: 32784

Performance	**ENGLISH**	**SI**	
Sensitivity (±15 %)	10 mV/g	1.02 mV/(m/s²)	
Measurement Range	±500 g pk	±4905 m/s² pk	
Frequency Range (±5 %)	1 to 9000 Hz	1 to 9000 Hz	
Frequency Range (±10 %)	0.5 to 12000 Hz	0.5 to 12000 Hz	
Resonant Frequency	≥45 kHz	≥45 kHz	
Broadband Resolution (1 to 10000 Hz)	0.004 g rms	0.04 m/s² rms	[1]
Non-Linearity	≤1 %	≤1 %	[3]
Transverse Sensitivity	≤5 %	≤5 %	
Environmental			
Overload Limit (Shock)	±10000 g pk	±98100 m/s² pk	
Temperature Range (Operating)	-65 to +250 °F	-54 to +121 °C	[2]
Temperature Response	See Graph	See Graph	[1][2]
Electrical			
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Impedance	≤200 ohm	≤200 ohm	
Output Bias Voltage	7 to 11 VDC	7 to 11 VDC	
Discharge Time Constant	1.0 to 3.5 sec	1.0 to 3.5 sec	
Settling Time (within 10% of bias)	<10 sec	<10 sec	
Spectral Noise (1 Hz)	900 µg/√Hz	8820 (µm/sec²/√Hz	[1]
Spectral Noise (10 Hz)	250 µg/√Hz	2450 (µm/sec²/√Hz	[1]
Spectral Noise (100 Hz)	100 µg/√Hz	981 (µm/sec²/√Hz	[1]
Spectral Noise (1 kHz)	50 µg/√Hz	490 (µm/sec²/√Hz	[1]
Physical			
Sensing Element	Ceramic	Ceramic	
Sensing Geometry	Shear	Shear	
Housing Material	Titanium	Titanium	
Sealing	Hermetic	Hermetic	
Size (Height x Length x Width)	0.28 in x 0.47 in x 0.47 in	7.0 mm x 12.0 mm x 12.0 mm	
Weight (without cable)	0.11 oz	3.1 gm	[1]
Electrical Connector	8-36 4-Pin	8-36 4-Pin	
Electrical Connection Position	Side	Side	
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.)

HT - High temperature, extends normal operation temperatures		
Temperature Range (Operating)	-65 to +325 °F	-54 to +163 °C
J - Ground Isolated		
Electrical Isolation (Base)	10^8 ohm	10^8 ohm
Size (Height x Length x Width)	0.33 in x 0.47 in x 0.47 in	8.3 mm x 12.0 mm x 12.0 mm
Weight	0.13 oz	3.7 gm

Notes

[1] Typical.
[2] 250° F to 325° F data valid with HT option only.
[3] Zero-based, least-squares, straight line method.
[4] See PCB Declaration of Conformance PS023 for details.

Supplied Accessories

034K10 Cable 10FT Mini 4 Pin To (3) BNC (1)
080A109 Petro Wax (1)
080A90 Quick Bonding Gel (1)
ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)

Entered: LLH	Engineer: AJA	Sales: WDC	Approved: EB	Spec Number:
Date: 04/21/2010	Date: 04/20/2010	Date: 04/20/2010	Date: 04/20/2010	**10463**

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