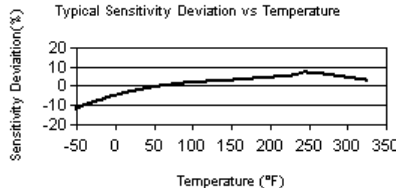


Model Number 354C03	ACCELEROMETER, ICP® , TRIAXIAL			Revision M ECN #: 29040
Performance	ENGLISH	SI	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)	
Sensitivity (±10 %)	100 mV/g	10.2 mV/(m/s²)	A - Adhesive Mount	
Measurement Range	±50 g pk	±490 m/s² pk	Supplied Accessory: Model 080A90 Quick bond Gel (for use with accelerometer adhesive mtg bases to fill gaps on rough surfaces)	
Frequency Range (±5 %)	0.5 to 2000 Hz	0.5 to 2000 Hz	HT - High temperature, extends normal operation temperatures	
Frequency Range (±10 %)	0.3 to 4000 Hz	0.3 to 4000 Hz	Frequency Range (±5 %)	10 to 2000 Hz
Frequency Range (±3 dB)	0.2 to 6000 Hz	0.2 to 6000 Hz	Frequency Range (±10 %)	8 to 4000 Hz
Resonant Frequency	≥12 kHz	≥12 kHz	Frequency Range (±3 dB)	5 to 6000 Hz
Broadband Resolution (1 to 10000 Hz)	0.0002 g rms	0.002 m/s² rms	Broadband Resolution (1 to 10000 Hz)	.0004 g rms
Non-Linearity	≤1 %	≤1 %		.004 μm/sec² rms
Transverse Sensitivity	≤5 %	≤5 %		
Environmental				
Overload Limit (Shock)	±5000 g pk	±49050 m/s² pk		
Temperature Range	-65 to +250 °F	-54 to +121 °C		
Temperature Response	See Graph	See Graph		
Base Strain Sensitivity	0.005 g/με	0.05 (m/s²)/με		
Electrical				
Excitation Voltage	21 to 30 VDC	21 to 30 VDC		
Constant Current Excitation	2 to 20 mA	2 to 20 mA		
Output Impedance	≤300 ohm	≤300 ohm		
Output Bias Voltage	10 to 14.5 VDC	10 to 14.5 VDC		
Discharge Time Constant	0.8 to 2.4 sec	0.8 to 2.4 sec		
Settling Time (within 10% of bias)	<12 sec	<12 sec		
Spectral Noise (1 Hz)	100 μg/√Hz	980 (μm/sec²)/√Hz		
Spectral Noise (10 Hz)	30 μg/√Hz	294 (μm/sec²)/√Hz		
Spectral Noise (100 Hz)	10 μg/√Hz	98 (μm/sec²)/√Hz		
Spectral Noise (1 kHz)	3 μg/√Hz	29 (μm/sec²)/√Hz		
Electrical Isolation (Base)	>10⁸ ohm	>10⁸ ohm		
Physical				
Sensing Element	Ceramic	Ceramic		
Sensing Geometry	Shear	Shear		
Housing Material	Titanium	Titanium		
Sealing	Welded Hermetic	Welded Hermetic		
Size (Hex x Height)	0.815 in x 0.45 in	20.7 mm x 11.4 mm		
Weight	0.55 oz	15.5 gm		
Electrical Connector	1/4-28 4-Pin	1/4-28 4-Pin		
Electrical Connection Position	Side	Side		
Mounting	Through Hole	Through Hole		
				
				
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.				
Notes [1] Typical. [2] 250° F to 325° F data valid with HT option only. [3] Zero-based, least-squares, straight line method. [4] Transverse sensitivity is typically ≤ 3%. [5] See PCB Declaration of Conformance PS023 for details.				
Supplied Accessories 039A23 Allen wrench, 5/32" hex (1) 080A109 Petro Wax (1) 081B60 Insulated cap screw, 10-32 thd x 5/8" long (for Model 354C02) (1) ACS-1T NIST traceable triaxial amplitude response, 10 Hz to upper 5% frequency. (1)				
Entered: BLS	Engineer: JF	Sales: WDC	Approved: BAM	Spec Number:
Date: 07/08/2008	Date: 07/01/2008	Date: 07/01/2008	Date: 07/02/2008	11066
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