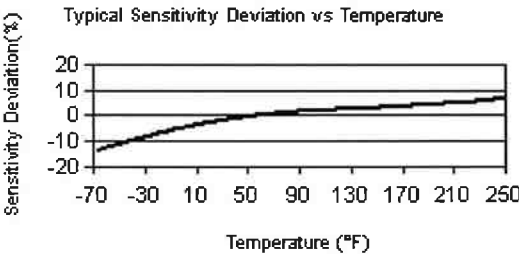




Model Number 355B03	ICP® ACCELEROMETER		Revision: G ECN #: 29040						
Performance	ENGLISH	SI	OPTIONAL VERSIONS						
Sensitivity(± 10 %)	100 mV/g	10.19 mV/(m/s ²)	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used. A - Adhesive Mount Supplied Accessory : Model 080A90 Quick Bonding Gel (1) M - Metric Mount Supplied Accessory : Model M039A22 Allen wrench for use with M3 thread (1) replaces Model 039A22 Supplied Accessory : Model M081B45 off ground screw assembly (1) replaces Model 081B45 W - Water Resistant Cable Electrical Connector Sealed Integral Cable Sealed Integral Cable Electrical Connection Position Side Side						
Measurement Range	± 50 g pk	± 490 m/s ² pk							
Frequency Range(± 5 %)	1 to 10,000 Hz	1 to 10,000 Hz							
Frequency Range(± 10 %)	0.6 to 12,000 Hz	0.6 to 12,000 Hz							
Frequency Range(± 3 dB)	0.3 to 17,000 Hz	0.3 to 17,000 Hz							
Resonant Frequency	≥ 35 kHz	≥ 35 kHz							
Broadband Resolution(1 to 10,000 Hz)	0.0001 g rms	0.0009 m/s ² rms		[1]					
Non-Linearity	≤ 1 %	≤ 1 %		[2]					
Transverse Sensitivity	≤ 5 %	≤ 5 %		[3]					
Environmental									
Overload Limit	± 5000 g pk	± 49,000 m/s ² pk							
Temperature Range	-65 to +250 °F	-54 to +121 °C							
Temperature Response	See Graph	See Graph	[1]						
Base Strain Sensitivity	0.05 g/με	0.49 (m/s ²)/με	[1]						
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 13 VDC	7 to 13 VDC							
Discharge Time Constant	0.5 to 2 sec	0.5 to 2 sec							
Spectral Noise(10 Hz)	6 μg/√Hz	59 (μm/s ²)/√Hz	[1]						
Spectral Noise(100 Hz)	2 μg/√Hz	19 (μm/s ²)/√Hz	[1]						
Spectral Noise(1 kHz)	1 μg/√Hz	10 (μm/s ²)/√Hz	[1]						
Electrical Isolation(Base)	>10 ⁸ ohm	>10 ⁸ ohm							
Physical									
Sensing Element	Ceramic	Ceramic							
Sensing Geometry	Shear	Shear							
Housing Material	Titanium	Titanium							
Sealing	Hermetic	Hermetic							
Size (Length x Width)	0.95 in x 0.63 in	24.1 mm x 16.0 mm							
Weight	0.35 oz	10 gm	[1]						
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack							
Electrical Connection Position	Side	Side							
Mounting	Through Hole	Through Hole							
	Typical Sensitivity Deviation vs Temperature 								
 [4]			NOTES: [1] Typical. [2] Zero-based, least-squares, straight line method. [3] Transverse sensitivity is typically ≤ 3%. [4] See PCB Declaration of Conformance PS023 for details.						
SUPPLIED ACCESSORIES: Model 039A22 Allen wrench, 7/64" hex (1) Model 080A109 Petro Wax (1) Model 081B45 off ground screw assembly (1) Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)									
Entered: <u>BLS</u>		Engineer: <u>AF</u>		Sales: <u>WDC</u>		Approved: <u>BM</u>		Spec Number:	
Date: <u>7/8/08</u>		Date: <u>7/1/08</u>		Date: <u>7/1/08</u>		Date: <u>7/2/08</u>		10299	
				Phone: 716-684-0001 Fax: 716-685-3886 E-Mail: vibration@pcb.com					
				3425 Walden Avenue, Depew, NY 14043					

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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