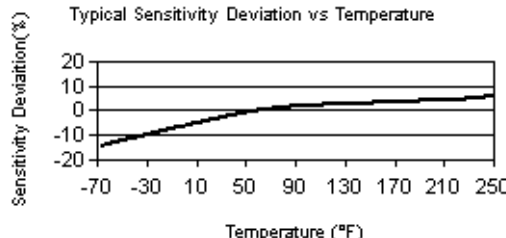


Model Number 355B12		SHEAR ICP® RING ACCELEROMETER		Revision: J ECN #: 55870	
Performance		ENGLISH	SI	OPTIONAL VERSIONS	
Sensitivity(± 10 %)		10 mV/g	1.02 mV/(m/s ²)	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used. M - Metric Mount Supplied Accessory: Model M039A20 Allen wrench, 1.5mm hex (1) Supplied Accessory: Model M081C36 Insulated cap screw, M2x0.4 thd x 3/8" long (for Model M357B06) (1)	
Measurement Range		± 500 g pk	± 4,905 m/s ² pk		
Frequency Range(± 5 %)		1 to 10,000 Hz	1 to 10,000 Hz		
Frequency Range(± 10 %)		0.6 to 15,000 Hz	0.6 to 15,000 Hz [1]		
Frequency Range(± 3 dB)		0.3 to 25,000 Hz	0.3 to 25,000 Hz [1]		
Resonant Frequency		≥ 50 kHz	≥ 50 kHz		
Broadband Resolution(1 to 10,000 Hz)		0.0005 g rms	0.005 m/s ² rms [2]		
Non-Linearity		≤ 1 %	≤ 1 % [3]		
Transverse Sensitivity		≤ 5 %	≤ 5 % [4]		
Environmental					
Overload Limit		± 10,000 g pk	± 98,100 m/s ² pk		
Temperature Range(Operating)		-65 to +250 °F	-54 to +121 °C		
Temperature Response		See Graph	See Graph [2]		
Base Strain Sensitivity		≤ 0.05 g/µε	≤ 0.5 (m/s ²)/µε [2]		
Electrical					
Excitation Voltage		19 to 30 VDC	19 to 30 VDC		
Constant Current Excitation		2 to 20 mA	2 to 20 mA		
Output Impedance		≤ 100 Ohm	≤ 100 Ohm		
Output Bias Voltage		8 to 12 VDC	8 to 12 VDC		
Discharge Time Constant		0.5 to 2.0 sec	0.5 to 2.0 sec		
Settling Time(within 10% of bias)		≤ 5 sec	≤ 5 sec		
Spectral Noise(1 Hz)		190 µg/√Hz	1,860 (µm/sec ²)/√Hz [2]		
Spectral Noise(10 Hz)		30 µg/√Hz	294 (µm/sec ²)/√Hz [2]		
Spectral Noise(100 Hz)		12 µg/√Hz	118 (µm/sec ²)/√Hz [2]		
Spectral Noise(1 kHz)		5 µg/√Hz	49 (µm/sec ²)/√Hz [2]		
Electrical Isolation(Base)		≥ 10 ⁸ Ohm	≥ 10 ⁸ Ohm [5][1]		
Physical					
Size (Height x Length x Width)		0.23 in x 0.68 in x 0.38 in	5.84 mm x 17.3 mm x 9.6 mm		
Weight		0.08 oz	2.3 gm [2]		
Sensing Element		Ceramic	Ceramic		
Sensing Geometry		Shear	Shear		
Housing Material		Titanium	Titanium		
Sealing		Welded Hermetic	Welded Hermetic		
Electrical Connector		5-44 Coaxial	5-44 Coaxial		
Electrical Connection Position		Side	Side		
Mounting		Through Hole	Through Hole		
CE UK CA [6]		Typical Sensitivity Deviation vs Temperature 			
		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 Piezotronics, Inc.			
		NOTES: [1]When used with off ground washer, high frequency specification is typically 2 kHz less on 10% and 3 dB points. [2]Typical. [3]Zero-based, least-squares, straight line method. [4]Transverse sensitivity is typically ≤ 3%. [5]Only when using off ground washer. [6]See PCB Declaration of Conformance PS023 for details.			
		SUPPLIED ACCESSORIES: Model 039A20 Allen wrench, 5/64" hex (1) Model 081B36 Insulated cap screw, 2-56 thd x 3/8" long (for Model 357B06) (1) Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)			
Entered: ND		Engineer: DK	Sales: KK	Approved: BAM	Spec Number:
Date: 08/06/2025		Date: 08/06/2025	Date: 08/06/2025	Date: 08/06/2025	13472
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