Model Number	ICP® ACCELEROMETER						Rev	ision: D
320C14							EC	l #: 36906
Performance	ENGLISH	SI		1		PTIONAL VERS		
Sensitivity(± 10 %)	5 mV/g	0.51 mV/(m/s ²)		Optional version			essories as listed for t	he standard mode
Measurement Range	± 1000 g pk	± 9810 m/s ² pk					ne option may be use	
Frequency Range(± 5 %)	1.0 to 10,000 Hz	1.0 to 10,000 Hz						
Frequency Range(± 10 %)	0.7 to 18,000 Hz	0.7 to 18,000 Hz		A - Adhesive Mo	ount			
Frequency Range(± 3 dB)	0.35 to 30,000 Hz	0.35 to 30,000 Hz		Supplied Access	sory : Model 080A90	Quick Bonding Ge	l (1)	
Resonant Frequency	≥ 60 kHz	≥ 60 kHz						
Broadband Resolution(1 to 10,000 Hz)	0.01 g rms	0.1 m/s² rms	[1]	J - Ground Isola	ated			
Non-Linearity	≤ 1 %	≤1%	[2]	Frequency Rang	ge(± 5 %)	1.0 to 8000 H	z 1.0 to	8000 Hz
Transverse Sensitivity	≤ 5 %	≤ 5 %	[3]	Frequency Rang	ge(± 10 %)	0.7 to 12,000 H	lz 0.7 to '	2,000 Hz
Environmental				Frequency Rang		0.35 to 25,000	Hz 0.35 to	25,000 Hz
Overload Limit(Shock)	± 10,000 g pk	± 98,100 m/s² pk		Resonant Frequ		≥ 50 kHz		0 kHz
Temperature Range(Operating)	-100 to +325 ℉	-73 to +163 ℃		Electrical Isolation(Base) $\geq 10^8$ ohm			≥ 10) ⁸ ohm
Temperature Response	See Graph	See Graph	[1]			3/8 in x 0.86 i	n 3/8 in x	21.8 mm
Base Strain Sensitivity	≤ 0.0005 g/με	≤ 0.005 (m/s²)/με	[1]	Weight		0.10 oz	3.) gm
Electrical								
Excitation Voltage	18 to 30 VDC	18 to 30 VDC		M - Metric Mour	nt			
Constant Current Excitation	2 to 20 mA	2 to 20 mA		Mounting Thread M3x0.50 Male				50 Male
Output Impedance	≤ 100 ohm	≤ 100 ohm		Supplied Accessory : Model M080A15 Adhesive Mounting Base (1) replaces Mode				Model 080A15
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC						
Discharge Time Constant	0.25 to 2.0 sec	0.25 to 2.0 sec		W - Water Resistant Cable				
Spectral Noise(1 Hz)	6400 µg/√Hz	62,784 (µm/sec ²)/√Hz		Electrical Conne	ector	Sealed Integral C	able Sealed In	tegral Cable
Spectral Noise(10 Hz)	1400 µg/√Hz	13,734 (µm/sec ²)/√Hz	[1]					
Spectral Noise(100 Hz)	360 µg/√Hz	3532 (µm/sec ²)/√Hz	[1]					
Spectral Noise(1 kHz)	128 µg/√Hz	1256 (µm/sec ²)/√Hz	[1]					
Physical								
Sensing Element	Quartz	Quartz						
Sensing Geometry	Shear	Shear		NOTES:				
Housing Material	Titanium	Titanium		[1] Typical.				
Sealing	Welded Hermetic	Welded Hermetic		[2] Zero-based, least-squares, straight line method.				
Size (Hex x Height)	9/32 in x 0.74 in	9/32 in x 18.8 mm		[3] Transverse sensitivity is typically $\leq 3\%$.				
Weight	0.06 oz	1.7 gm	[1]	[4] See PCB Declaration of Conformance PS023 for details.				
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack						
Electrical Connection Position	Тор	Тор						
Mounting Thread	5-40 Male	5-40 Male						
Mounting Torque	8 to 12 in-lb	90 to 135 N-cm						
	🚑 Typical Sensitivity Deviation vs Temperature		SUPPLIED ACCESSORIES:					
	Ĕ 10	Ϋ́ς			Model 080A109 Petro Wax (1)			
	i∰ ¹⁰ T			Model 080A15 Adhesive Mounting Base (1)				
	·s 5-			Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)				
	(* Typical Sensitivity interview			1				
	.≩ -5 	•	-					
[4]	:텵 -10 			Entered: DMW	Engineer: SDS	Sales: WDC	Approved: BAM	Spec Number:
L-3	ធ្លី -100 -50 0 50 100 150 200 250 300 3		0 350	Date: 9/19/2011	Date: 9/19/2011	Date: 9/19/2011	Date: 9/19/2011	12002
		Temperature (°F)						
				Aper			Phone: 716-6	24 0001
All specifications are at room temperature unl In the interest of constant product improveme		necifications without notico		I "PLE	3 PIEZOTI	TUNILS	Fax: 716-685-	
					VIBRATIO	N DIVISION		ion@pcb.com
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