Model Number 320C11								evision: F CN #: 36906
Performance	ENGLISH	SI		1		PTIONAL VERS		
Sensitivity(± 10 %)	5 mV/g	0.51 mV/(m/s²)		Ontional version		ecifications and acce		r the standard mode
Measurement Range	± 1000 g pk	± 9810 m/s ² pk				below. More than c		
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 080A9	0 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	ited			
Non-Linearity	≤ 1 %	≤ 1 %	[2]	Frequency Rang	ge(± 5 %)	2 to 8000 l	Hz 2	to 8000 Hz
Transverse Sensitivity	≤ 5 %	≤ 5 %	[3]	Frequency Rang		1.5 to 12,000		to 12,000 Hz
Environmental				Frequency Rang	, , ,	0.7 to 30,000		to 30,000 Hz
Overload Limit(Shock)	± 10,000 g pk	± 98,100 m/s² pk		Resonant Frequ		≥ 50 kHz		≥ 50 kHz
Temperature Range(Operating)	-100 to +325 ℉	-73 to +163 ℃		Electrical Isolation	on(Base)	≥ 10 ⁸ ohr	n ≥	≥ 10 ⁸ ohm
Temperature Response	See Graph	See Graph	[1]	Size - Hex x Height 3/8 in x 0.38 in 3/8 in x 9.7 mm				in x 9.7 mm
Base Strain Sensitivity	≤ 0.0005 g/με	≤ 0.005 (m/s²)/με	[1]	Weight		0.11 oz		3.1 gm
Electrical								
Excitation Voltage	18 to 30 VDC	18 to 30 VDC		M - Metric Moun	nt			
Constant Current Excitation	2 to 20 mA	2 to 20 mA		Mounting Thread		M3x0.50 M		3x0.50 Male
Output Impedance	≤ 100 ohm	≤ 100 ohm		Supplied Access	sory : Model M080A	15 Adhesive Mount	ing Base (1)	
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 Resis				
Settling Time(within 10% of bias)	<5 sec	<5 sec	141	Electrical Conne		Sealed Integra	Cable Sealed	Integral Cable
Spectral Noise(1 Hz)	6400 µg/√Hz	62,784 (µm/sec ²)/√Hz	[1]	Electrical Conne	ection Position	Side		Side
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)	5/16 in x 0.43 in	5/16 in x 10.9 mm		 [3] Transverse sensitivity is typically ≤ 3%. [4] See PCB Declaration of Conformance PS023 for details. 				
Weight	0.07 oz	2.0 gm	[1]	[4] See FCB Declaration of Conformance FS025 for details.				
Electrical Connector	5-44 Coaxial	5-44 Coaxial						
Electrical Connection Position	Side	Side						
Mounting Thread	5-40 Male	5-40 Male						
	Typical Sensitivity Deviation vs Temperature			SUPPLIED ACCESSORIES: Model 080A109 Petro Wax (1)				
				Model 080A15 Adhesive Mounting Base (1)				
~ ~				Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)				
CE	⊥ 0		_					
	ie -10			Entered DMM				Oper Numb
[4]		0 100 150 200 250 30	0 350	Entered: DMW	Engineer: BLS	Sales: WDC	Approved: BAM	Spec Number:
	•			Date: 9/19/2011	Date: 9/19/2011	Date: 9/19/2011	Date: 9/19/2011	12001
		Temperature (°F)		_				
All specifications are at room temperature ur				OP	B PIEZOTI	RONICS	Phone: 716-	
In the interest of constant product improvem	ent, we reserve the right to change s	specifications without notice.					Fax: 716-68	
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