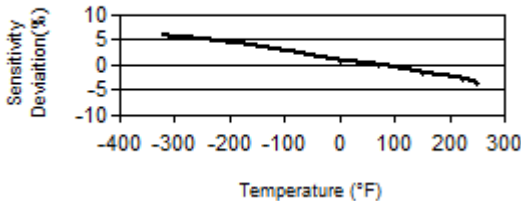


Model Number 351B04		ICP® ACCELEROMETER		Revision: G ECN #: 48061	
Performance		ENGLISH	SI	OPTIONAL VERSIONS	
Sensitivity(± 10 %)		10 mV/g	1.02 mV/(m/s²)	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Measurement Range		± 150 g pk	± 1472 m/s² pk	J - Ground Isolated	
Frequency Range(± 5 %)		1 to 6000 Hz	1 to 6000 Hz	Frequency Range(5 %)	5 Hz
Frequency Range(± 10 %)		0.7 to 9000 Hz	0.7 to 9000 Hz	Frequency Range(10 %)	8 Hz
Frequency Range(± 3 dB)		0.35 to 15,000 Hz	0.35 to 15,000 Hz	Resonant Frequency	≥ 22 kHz
Resonant Frequency		≥ 35 kHz	≥ 35 kHz	Electrical Isolation(Base)	>10 ⁸ Ohm
Broadband Resolution		0.01 g rms	0.1 m/s² rms	Size - Hex x Height	0.50 in x 1.24 in
Non-Linearity		≤ 1 %	≤ 1 %		12.7 mm x 31.5 mm
Transverse Sensitivity		≤ 5 %	≤ 5 %		
Environmental				NOTES:	
Overload Limit		± 5000 g pk	± 49,050 m/s² pk	[1] Typical.	
Temperature Range		-320 to +250 °F	-196 to +121 °C	[2] Zero-based, least-squares, straight line method.	
Temperature Response		See Graph	See Graph	[3] Transverse sensitivity is typically ≤ 3%.	
Base Strain Sensitivity		<0.0005 g/με	<0.005 (m/s²)/με	[4] See PCB Declaration of Conformance PS023 for details.	
Electrical					
Excitation Voltage		20 to 30 VDC	20 to 30 VDC		
Constant Current Excitation		2 to 20 mA	2 to 20 mA		
Output Impedance		≤ 200 Ohm	≤ 200 Ohm		
Output Bias Voltage		3 to 10 VDC	3 to 10 VDC		
Discharge Time Constant		0.5 to 1.5 sec	0.5 to 1.5 sec		
Spectral Noise(10 Hz)		220 μg/√Hz	2156 (μm/sec²)/√Hz		
Spectral Noise(100 Hz)		62 μg/√Hz	607 (μm/sec²)/√Hz		
Spectral Noise(1 kHz)		16 μg/√Hz	156 (μm/sec²)/√Hz		
Physical					
Weight		0.33 oz	9.4 gm		
Sensing Element		Quartz	Quartz		
Sensing Geometry		Shear	Shear		
Housing Material		Titanium	Titanium		
Sealing		Welded Hermetic	Welded Hermetic		
Electrical Connector		10-32 Coaxial Jack	10-32 Coaxial Jack		
Electrical Connection Position		Top	Top		
Mounting Thread		10-32 Female	10-32 Female		
		Typical Sensitivity Deviation vs Temperature			
					
		[4]			
SUPPLIED ACCESSORIES:					
Model 081B05 Mounting Stud (10-32 to 10-32) (1)					
Model ACS-1 NIST traceable frequency response (10 Hz to upper 5% point). (1)					
Model M081B05 Mounting Stud 10-32 to M6 X 0.75 (1)					
Entered: LK		Engineer: LM		Sales: WDC	
Date: 4/19/2018		Date: 4/19/2018		Date: 4/19/2018	
				Approved: JJB	
				Spec Number:	
				351-2040-80	
PCB PIEZOTRONICS ™					
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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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