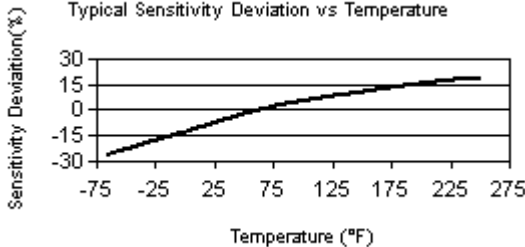


Model Number 66332APZ1	ICP® TO-8 ACCELEROMETER			Revision: B ECN #: 41045
Performance	ENGLISH	SI		OPTIONAL VERSIONS
Sensitivity(± 20 %)	1000 mV/g	102 mV/(m/s²)	[3][2]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used. HT - High temperature, extends normal operation temperatures Temperature Range(Operating) -65 to 250 °F -54 to 121 °C RH - RoHS Compliant
Measurement Range	± 5 g	± 50 m/s²		
Frequency Range(± 3 dB)	0.25 to 5k Hz	0.25 to 5k Hz	[4][5]	
Resonant Frequency	>16 kHz	>16 kHz	[5]	
Broadband Resolution	38 µg rms	373 µm/sec² rms	[1]	
Non-Linearity	≤ 1 %	≤ 1 %	[6]	
Transverse Sensitivity	≤ 7 %	≤ 7 %		
Environmental				
Acceleration Sensitivity(± 20 %)	1000 mV/g	102 mV/(m/s²)	[2]	NOTES: [1] Typical. [2] Positive output along Z-axis (in upward direction when pin mounted). [3] Conversion Factor 1g = 9.81 m/s². [4] The high frequency tolerance is accurate within ±10% of the specified frequency. [5] Performance depends on mounting [6] Zero-based, least-squares, straight line method. [7] See PCB Declaration of Conformance PS023 or PS060 for details.
Overload Limit(Shock)	5000 g pk	49k m/s² pk		
Temperature Range(Operating)	-65 to +185 °F	-54 to +85 °C		
Temperature Response	See Graph	See Graph	[1]	
Electrical				
Settling Time(within 1% of bias)	≤ 30 sec	≤ 30 sec		
Discharge Time Constant	≥ 0.65 sec	≥ 0.65 sec		
Excitation Voltage	18 to 28 VDC	18 to 28 VDC		
Constant Current Excitation	2 to 20 mA	2 to 20 mA		
Output Impedance	<550 Ohm	<550 Ohm		
Output Bias Voltage(± 10 %)	8 to 12 VDC	8 to 12 VDC		
Spectral Noise(10 Hz)	1.9 µg/√Hz	18.6 (µm/sec²)/√Hz	[1]	
Spectral Noise(100 Hz)	0.6 µg/√Hz	5.9 (µm/sec²)/√Hz	[1]	
Spectral Noise(1 kHz)	0.4 µg/√Hz	3.9 (µm/sec²)/√Hz	[1]	
Physical				
Size (Lip Diameter x Height)	0.64 in x 0.57 in	16.3 mm x 14.5 mm		
Weight	0.88 oz	25 gm		
Mounting	Adhesive/Solder	Adhesive/Solder		
Sensing Element	Ceramic	Ceramic		
Sensing Geometry	Shear	Shear		
Housing Material	Stainless Steel	Stainless Steel		
Sealing	Welded Hermetic	Welded Hermetic		
Electrical Connector	Header Pins	Header Pins		
Electrical Connection Position	Bottom	Bottom		
Electrical Connections(Pin 1)	Signal / Power	Signal / Power		
Electrical Connections(Pin 2)	Ground	Ground		
Electrical Connections(Pin 3)	No Connection	No Connection		
 Typical Sensitivity Deviation vs Temperature 				
<i>All specifications are at room temperature unless otherwise specified.</i> <i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i> ICP® is a registered trademark of PCB Group, Inc.				
SUPPLIED ACCESSORIES: Model ICS-2 NIST-traceable single-axis single-point amplitude response calibration at 6000 cpm (100 Hz) (1)				
Entered: AP	Engineer: do	Sales: fd	Approved: BAM	Spec Number:
Date: 5/14/2013	Date: 5/14/2013	Date: 5/14/2013	Date: 5/14/2013	47329
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