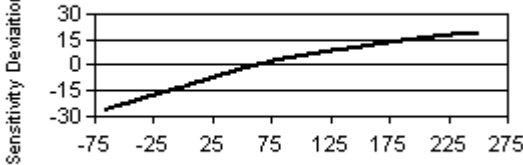


Model Number 66333PNZ1	VOLTAGE OUTPUT TO-8 ACCELEROMETER				Revision: NR ECN #: 41479
Performance	ENGLISH	SI		OPTIONAL VERSIONS	
Sensitivity(± 20 %)	1000 mV/g	102 mV/(m/s²)	[2][3]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Measurement Range	± 2 g	± 20 m/s²	[4]		
Frequency Range(± 3 dB)	0.5 to 5000 Hz	0.5 to 5000 Hz	[5][6]		
Resonant Frequency	>16 kHz	>16 kHz	[6]		
Broadband Resolution	0.00104 g rms	0.010202 m/s² rms	[1]	HT - High temperature, extends normal operation temperatures	
Non-Linearity	≤ 1 %	≤ 1 %	[7]	Temperature Range -65 to 250 °F -54 to 121 °C	
Transverse Sensitivity	≤ 7 %	≤ 7 %		RH - RoHS Compliant	
Environmental					
Overload Limit(Shock)	5000 g pk	49,000 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)	≤ 2 sec	≤ 2 sec		NOTES: [1] Typical. [2] Conversion Factor 1g = 9.81 m/s². [3] Negative output for acceleration along Z-axis (in upward direction when pin mounted). [4] Measurement range achieved is dependent upon excitation voltage. [5] The high frequency tolerance is accurate within ±10% of the specified frequency. [6] Performance depends on mounting [7] Zero-based, least-squares, straight line method.	
Discharge Time Constant	≥ 0.4 sec	≥ 0.4 sec			
Excitation Voltage	3 to 12 VDC	3 to 12 VDC			
Output Impedance	<100 Ohm	<100 Ohm			
Current Draw	0.75 mA	0.75 mA			
Output Bias Voltage	0.5 x Excitation Voltage	0.5 x Excitation Voltage			
Spectral Noise(10 Hz)	39 µg/√Hz	383 (µm/sec²)/√Hz	[1]		
Spectral Noise(100 Hz)	15 µg/√Hz	147 (µm/sec²)/√Hz	[1]		
Spectral Noise(1 kHz)	9 µg/√Hz	88 (µm/sec²)/√Hz	[1]		
Physical					
Size (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)	Output	Output			
Electrical Connections(Pin 2)	Neg (-) Ground	Neg (-) Ground			
Electrical Connections(Pin 3)	Pos (+) VDC	Pos (+) VDC			
Typical Sensitivity Deviation vs Temperature  Sensitivity Deviation(%) Temperature (°F)					
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 Group, Inc.					
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Date: 6/6/2013		Date: 6/6/2013	Date: 6/6/2013	Date: 6/6/2013	56152