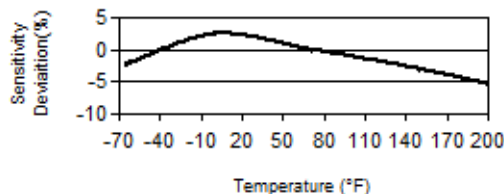


Model Number 66213PPZ1		INDUSTRIAL 3-WIRE ACCELEROMETER			Revision: A ECN #: 46956	
Performance		ENGLISH	SI		OPTIONAL VERSIONS	
Sensitivity(± 20 %)		100 mV/g	10.2 mV/(m/s²)	[2][3]	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used. HT - High temperature, extends normal operation temperatures Temperature Range(Operating) -65 to 250 °F -54 to 121 °C RH - RoHS Compliant	
Measurement Range		± 20 g	± 200 m/s²	[4]		
Frequency Range(± 3 dB)		0.5 to 10k Hz	0.5 to 10k Hz	[5][6]		
Resonant Frequency		>25 kHz	>25 kHz	[6]		
Broadband Resolution		0.0017 g rms	0.016677 m/s² rms	[1]		
Non-Linearity		≤ 1 %	≤ 1 %	[7]		
Transverse Sensitivity		≤ 7 %	≤ 7 %			
Environmental						
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)		≤ 2.5 sec	≤ 2.5 sec		NOTES: [1] Typical. [2] Positive output along Z-axis (in upward direction when pin mounted). [3] Conversion Factor 1g = 9.81 m/s². [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. [8] See PCB Declaration of Conformance PS023 or PS060 for details.	
Discharge Time Constant		≥ 0.3 sec	≥ 0.3 sec			
Excitation Voltage		3 to 12 VDC	3 to 12 VDC			
Output Impedance		<100 Ohm	<100 Ohm			
Current Draw		.75 mA	.75 mA	[1]		
Output Bias Voltage(± 10 %)	0.5 x Excitation Voltage		0.5 x Excitation Voltage			
Spectral Noise(10 Hz)		67 µg/√Hz	657 (µm/sec²)/√Hz	[1]		
Spectral Noise(100 Hz)		28 µg/√Hz	275 (µm/sec²)/√Hz	[1]		
Spectral Noise(1 kHz)		15 µg/√Hz	148 (µm/sec²)/√Hz	[1]		
Physical						
Size (Lip Diameter x Height)		0.36 in x 0.38 in	9.1 mm x 9.7 mm			
Weight		0.1 oz	3 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)		Acceleration Output	Acceleration Output			
Electrical Connections(Pin 2)		Neg (-) Ground	Neg (-) Ground			
Electrical Connections(Pin 3)		Pos (+) VDC	Pos (+) VDC			
 Typical Sensitivity Deviation vs Temperature 						
<i>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.</i> ICP® is a registered trademark of PCB Group, Inc.						
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