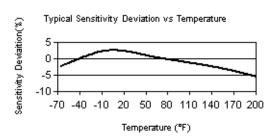
Model Number 66212APZ1 Performance	ICP® TO-5 ACCELEROMETER				
	ENGLISH	SI			
Sensitivity(± 20 %)	100 mV/g	$1.02 \text{ mV/(m/s}^2)$	[1][2]	Optional versions have	
Measurement Range	± 50 g	± 490 m/s ²		,	
Frequency Range(± 3 dB)	0.5 to 10k Hz	0.5 to 10k Hz	[3][4]	HT - High temperatu	
Resonant Frequency	> 25 kHz	> 25 kHz	[4]	temperatures	
Broadband Resolution	350 μg rms	3,434 µm/sec ² rms	[5]	Temperature Range(Operating)	
Non-Linearity	≤ 1 %	≤ 1 %	[6]		
Transverse Sensitivity	≤ 7 %	≤ 7 %		RH - RoHS Complian	
Environmental					
Overload Limit(Shock)	5,000 g pk	49k m/s² pk			
Temperature Range(Operating)	-65 to +185 °F	-54 to -84 °C			
Temperature Response	See Graph	See Graph	[5]		
Electrical					
Settling Time(within 1% of bias)	≤ 2 sec	≤ 2 sec			
Discharge Time Constant	≥ 0.3 sec	≥ 0.3 sec			
Excitation Voltage	18 to 28 VDC	18 to 28 VDC			
Constant Current Excitation	2 to 20 mA	2 to 20 mA			
Output Impedance	< 150 Ohm	< 150 Ohm			
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC			
Spectral Noise(10 Hz)	8 μg/√Hz	78.50 (µm/sec ²)/√Hz	[5]		
Spectral Noise(100 Hz)	5 μg/√Hz	49.1 (µm/sec ²)/√Hz	[5]		
Spectral Noise(1 kHz)	4 μg/√Hz	39.2 (µm/sec ²)/√Hz	[5]		
Physical					
Size (Lip Diameter x Height)	0.36 in x 0.38 in	9.1 mm x 9.7 mm			
Weight	0.01 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)	Signal / Power	Signal / Power		NOTES:	
Electrical Connections(Pin 2)	Neg (-) Ground	Neg (-) Ground		[1]Positive output alo	
EL 1: 10 1: (D: 2)					

No Connection



Electrical Connections (Pin 3)



No Connection

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 Piezotronics, Inc.

OPTIONAL VERSIONS

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 2

-65 to 250 °F

-54 to 121 ℃

Revision: B

ECN #: 50920

RH - RoHS Compliant

NOTES:

- [1] Positive output along Z-axis (in upward direction when pin mounted).
- [2]Conversion Factor $1g = 9.81 \text{ m/s}^2$.
- [3] The high frequency tolerance is accurate within $\pm 10\%$ of the specified frequency.
- [4]Performance depends on mounting
- [5]Typical.
- [6]Zero-based, least-squares, straight line method.
- [7]See PCB Declaration of Conformance PS023 or PS060 for details.

SUPPLIED ACCESSORIES:

Model ICS-2 NIST-traceable single-point amplitude response calibration at 6000 cpm (100 Hz) for each axis (1)

Entered: LK	Engineer: NJF	Sales: MC	Approved: NJF	Spec Number:
Date: 07/07/2020	Date: 07/07/2020	Date: 07/07/2020	Date: 07/07/2020	47326



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