Model Number 66213PPZ1	3-WIRE TO-5 ACCELEROMETER							evision: B CN #: 52695
	EN CUCU	<u></u>			۲۹۵	IONAL VERSIO		
Performance		SI	[1][2]	Optional versions have i				ndard model exce
Sensitivity(± 20 %)	100 mV/g	$10.2 \text{ mV}/(\text{m/s}^2)$	[1][2]		where noted below	v. More than one op	tion may be used.	
Measurement Range	± 20 g	± 200 m/s ²	[3]			1		
Frequency Range(± 3 dB) Resonant Frequency	0.5 to 10k Hz > 25 kHz	0.5 to 10k Hz > 25 kHz	[4][5]	HT - High temperatures	ire, extends norma	li operation		
			[5]	Temperature Range(Operating)		-65 to 250 °F	-54	4 to 121 ℃
Broadband Resolution	0.0017 g rms	0.016677 m/s ² rms	[6]	Range(Operating)				
Non-Linearity	≤ 1 %	≤ 1 %	[7]	RH - RoHS Compliant	+			
Transverse Sensitivity	≤ 7 %	≤ 7 %		KH - Noris Compliant	it.			
Environmental	5.000 mml	401						
Overload Limit(Shock)	5,000 g pk -65 to +185 °F	49k m/s ² pk						
Cemperature Range(Operating)		-54 to +85 °C	101					
emperature Response	See Graph	See Graph	[6]					
			101					
Settling Time(within 1% of bias)	< 3 sec	< 3 sec	[6]					
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	101					
Current Draw	.75 mA	.75 mA	[6]					
Dutput Bias Voltage(± 10 %)	0.5 x Excitation Voltage	0.5 x Excitation Voltage	101					
Spectral Noise(10 Hz)	67 µg/√Hz	657 (µm/sec ²)/√Hz	[6]					
Spectral Noise(100 Hz)	28 µg/√Hz	275 (µm/sec ²)/√Hz	[6]					
Spectral Noise(1 kHz)	15 µg/√Hz	148 (µm/sec ²)/√Hz	[6]					
	15 µg/ 112	148 (µm/sec⁻)/√Hz	[0]					
Physical	0.26. 0.20.	0.1 0.7						
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		NOTES:				
Electrical Connections(Pin 2)	Neg (-) Ground	Neg (-) Ground		[1]Positive output alor	ng 7-axis (in upwa	rd direction when pi	n mounted)	
Electrical Connections(Pin 3)	Pos (+) VDC	Pos (+) VDC		[2]Conversion Factor			innounced).	
				[3]Measurement rang		endent upon excitat	ion voltage.	
				[4]The high frequency				ICV.
				[5]Performance depe).
				[6]Typical.				
				[7]Zero-based, least-	squares, straight li	ine method.		
				[8]See PCB Declaratio				
				[-]				
	Typical Sensi	tivity Deviation vs Tempe	rature					
		-		SUPPLIED ACCES	SORIES:			
	o 5			Model ICS-2 NIST-trac	ceable single-point	t amplitude response	e calibration at 6000	cpm (100 Hz) for
	Sensitivity Deviation(%)			each axis (1)	5.			•
	25 0							
	-5							
[O]	Ser Ser							
	~~ -10 							
	-70 -40	-10 20 50 80 110	140 170 200					
	-70 -40	-10 20 30 00 110	140 170 200					
		Terreture (SE)						
		Temperature (°F)		Entered: ND Eng	gineer: GD	Sales: JL	Approved: BAM	Spec Number:
				Date: 05/24/2022 Dat	te: 05/24/2022	Date: 05/24/2022	Date: 05/24/2022	58754
				MINALCE	NCODE		800-959-4464 5-684-3823	- –
					CNUCIN		imi@pcb.com	
All appointions are star-set to a	ure unlose ethemula			A PCB PIEZOT	RONICS DIV.	E-mall.	pesteon	
All specifications are at room temperatu			4'	3425 Walden Avenue, I				
n the interest of constant product impro		ange specifications without	notice.					
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