Model Number 66212APZ1	ICP [®] TO-5 ACCELEROMETER							evision: C CN #: 52695	
				_		TIONAL VERSIO			
Performance	ENGLISH	SI	(41(2)	Optional versions ha			es as listed for the star	idard model exc	
Sensitivity(± 20 %)	100 mV/g	10.2 mV/(m/s²) ± 490 m/s²	[1][2]	o prioritar refisionis ria	where noted belo	w. More than one o	otion may be used.		
Measurement Range Frequency Range(± 3 dB)	± 50 g 0.5 to 10k Hz	± 490 m/s ⁻ 0.5 to 10k Hz	[3][4]	UT - High temper	ature, extends norm	al operation			
Resonant Frequency	> 25 kHz	> 25 kHz	[3][4]	temperatures Temperature	ature, exterius norm	·			
Broadband Resolution	350 µg rms	3,434 µm/sec ² rms	[5]	Temperature Range(Operating)		-65 to 250 °F	-54	to 121 °C	
Non-Linearity	≤1%	3,434 µm/sec−rms ≤ 1 %	[6]	Range(Operating)					
Fransverse Sensitivity	≤1% ≤7%	≤1% ≤7%	[0]	RH - RoHS Compl	iant				
Environmental	2770	2770							
Overload Limit(Shock)	5,000 g pk	49k m/s ² 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)	< 3 sec	< 3 sec	[5]						
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							
Dutput Impedance	< 150 Ohm	< 150 Ohm							
Dutput 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 Electrical Connection Position	Header Pins Bottom	Header Pins Bottom							
Electrical Connection Position	Signal / Power	Signal / Power		NOTES:					
Electrical Connections(Pin 2)	Neg (-) Ground	Neg (-) Ground				and alter attack with a set	·····		
Electrical Connections (Pin 3)	No Connection	No Connection		[1]Positive output [2]Conversion Fact	along Z-axis (in upw	ard direction when	n mounted).		
						rate within +10% o	f the specified frequen	CV.	
					epends on mounting		and specifical nequel	c).	
				[5]Typical.					
					st-squares, straight	line method.			
				[7]See PCB Declar	ation of Conforman	e PS023 for details.			
	्रू Typical Sen:	sitivity Deviation vs Tempe	erature	SUPPLIED ACC					
	5 -5 -70 -40 -10 20 50 80 110 140 170 200					t ananlituda racaan	a calibration at 6000	(100 LI=) f.	
	i≝ 5⊤			each axis (1)	Model ICS-2 NIST-traceable single-point amplitude response calibration at 6000 cpm (100 Hz) for				
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	\$ -5								
	-€ ~~T		1						
	:텵 -10 - , -								
	ຮູ້ -70 -40	-10 20 50 80 110	140 170 20	D					
	S								
		Temperature (°F)			Engineer: GD	Sales: JL	Approved: BAM	Spec Number	
				Date: 05/24/2022	Date: 05/24/2022	Date: 05/24/2022	Date: 05/24/2022	47326	
Il specifications are at room temperatur 1 the interest of constant product improv		hange specifications without	notice.	APCB PIEZ 3425 Walden Avenu	ENSORS OTRONICS DIM. Je, Depew, NY 1404	Fax: 71 E-Mail:	800-959-4464 6-684-3823 imi@pcb.com	_	