Model Number 66102ANZ1	ICP [®] LOW-PROFILE TO-5 ACCELEROMETER							Revision: C ECN #: 55512
		<i>c</i> .			0	PTIONAL VERS		
Performance	ENGLISH	SI	(4)(2)	Optional versions h			ries as listed for the st	andard model exce
Sensitivity(± 20 %)	10 mV/g	1.02 mV/(m/s ²)	[1][2]		where noted bel	low. More than one	option may be used.	
Measurement Range	± 500 g	± 5,000 m/s ²	[2][4]					
Frequency Range(± 3 dB)	0.5 to 10 kHz	0.5 to 10 kHz > 25 kHz	[3][4]	temperatures	erature, extends norr	mai operation		
Resonant Frequency	> 25 kHz		[4]	Temperature		-65 to 250 °F	-	54 to 121 ℃
Broadband Resolution	0.0018 g rms	0.017658 m/s ² rms	[5]	Range(Operating	g)			
Non-Linearity	≤ 1 %	≤ 1 %	[6]	RH - RoHS Com	nliant			
Transverse Sensitivity	≤ 7 %	≤ 7 %		KH - Koris com	pliant			
Environmental	5 000 l	401 (2)						
Overload Limit(Shock)	5,000 g pk	49k m/s ² pk						
Temperature Range(Operating)	-65 to +185 °F	-54 to +85 °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	< 100 Ohm	< 100 Ohm						
Dutput Bias Voltage	8 to 12 VDC	8 to 12 VDC						
Spectral Noise(10 Hz)	19 µg/√Hz	186.4 (µm/sec ²)/√Hz	[5]					
Spectral Noise(100 Hz)	8 µg/√Hz	78.5 (µm/sec ²)/√Hz	[5]					
Spectral Noise(1 kHz)	5 μg/√Hz		[5]					
	5 µg/ v Hz	49.1 (µm/sec ²)/√Hz	[5]					
Physical								
Size (Lip Diameter x Height)	0.36 in x 0.26 in	9.1 mm x 6.6 mm						
Weight	0.08 oz	2.2 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(Chrome-Plated	Neg (-) Ground	Neg (-) Ground			out along Z-axis (in u	pward direction who	on nin mounted)	
Brass)					$ctor 1q = 9.81 \text{ m/s}^2$.		in pin mounteu).	
Electrical Connections(Pin 3)	No Connection	No Connection					of the specified frequ	ancu
					depends on mountin		or the specified frequ	ency.
				[5]Typical.	depends on mountin	iy		
					east-squares, straigh	t line method		
					aration of Conforma		c	
				[7]See FCB Decia			5.	
				SUPPLIED ACCESSORIES: Model ICS-2 NIST-traceable single-point amplitude response calibration at 6000 cpm (100 Hz) for				
				each axis (1)	-traceable single-po	oint amplitude respo	inse calibration at 600	U cpm (100 Hz) for
				cucit uxis (1)				
	्र Typical Sens	itivity Deviation vs Tempe	rature					
	(*) Typical sens (*) Typical sens 0 -5 -10 -10 -70 -40							
	i∰ 5							
	å <u> </u>							
	≥ -5			Entered: ND	Engineer: NJF	Sales: JL	Approved: NJF	Spec Number:
	ja _10					-	_	
UK		40 00 50 00 440	40.470.000	Date: 02/24/2025	Date: 02/24/2025	Date: 02/24/202	5 Date: 02/24/2025	47360
	ຮູ້ -70 -40	-10 20 50 80 110	140 170 200				ш	
		-		A	- FUCAR		: 800-959-4464	
		Temperature (°F)			ったから/ ルド	Fax: 7	16-684-3823	
						E-Mai	l: imi@pcb.com	
All specifications are at room temperature u	nless otherwise specified.			A PCB PIE	ZOTRONICS DIV			
		hande specifications without	notico	3425 Walden Ave	nue, Depew, NY 140	43		
n the interest of constant product improvem	ient, we reserve the noni to c							
the interest of constant product improvem	, ,	nange specifications without	notice.					
the interest of constant product improvem P [®] is a registered trademark of PCB Piezo	, ,	nange specifications without	notice.					