Model Number 66102ANZ1	ICP	[®] LOW-PRO	FILE TO-	5 ACCELEROME	TER			Revision: B ECN #: 49711
	_	OPTIONAL VERSIONS						
Performance	ENGLISH	SI	101111	Ontional versions have ide				standard mode
Sensitivity(± 20 %)	10 mV/g	$1.02 \text{ mV}/(\text{m/s}^2)$	[6][1]	Optional versions have iden except whe	ere noted be	low. More than or	e option may be used	
Measurement Range	± 500 g	± 5,000 m/s ²						
requency Range(± 3 dB)	0.5 to 10 kHz	0.5 to 10 kHz	[3][7]	HT - High temperature, ext	ends norma	al operation		
lesonant Frequency	> 25 kHz	> 25 kHz	[7]	temperatures Temperature Range		-65 to 250 °F	-54	to 121 °C
roadband Resolution	0.0018 g rms	0.017658 m/s ² rms	[4]	remperature Range		-03 10 230 F	- 54	10121 C
Jon-Linearity	≤ 1 %	≤ 1 %	[2]	RH - RoHS Compliant				
ransverse Sensitivity	≤7%	≤ 7 %						
nvironmental								
Overload Limit(Shock)	5,000 g pk	49k m/s² pk						
emperature Range(Operating)	-65 to +185 °F	-54 to +85 °C						
emperature Response	See Graph	See Graph	[4]					
lectrical								
ettling Time(within 1% of bias)	≤ 2 sec	≤ 2 sec						
Discharge Time Constant	≥ 0.3 sec	≥ 0.3 sec						
xcitation 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						
Output Bias Voltage	8 to 12 VDC	8 to 12 VDC	[4]					
pectral Noise(10 Hz)	19 µg/√Hz	186.4 (µm/sec ²)/√Hz	[4]					
pectral Noise(100 Hz)	8 µg/√Hz	78.5 (µm/sec ²)/√Hz	[4]					
pectral Noise(1 kHz)	5 µg/√Hz	49.1 (µm/sec ²)/√Hz	[4]					
	5 µg, 112	49.1 (µm/sec)/vHz	1.1					
Physical	0.001							
ize - Lip Diameter	0.36 in	9.1 mm						
Size - Height	0.26 in	6.6 mm						
Veight	0.08 oz	2.2 gm						
lounting	Adhesive/Solder	Adhesive/Solder						
ensing Element	Ceramic	Ceramic						
Sensing Geometry	Shear	Shear						
lousing Material	Stainless Steel	Stainless Steel						
Sealing	Welded Hermetic	Welded Hermetic						
ectrical Connector	Header Pins	Header Pins						
electrical Connection Position	Bottom	Bottom						
electrical Connections(Pin 1)	Signal / Power	Signal / Power		NOTES:				
lectrical Connections (Pin 2)	Neg (-) Ground	Neg (-) Ground		[1]Conversion Factor 1g = 9	0.81 m/s².			
electrical Connections (Pin 3)	No Connection	No Connection		[2]Zero-based, least-square	es, straight l	ine method.		
				[3]The high frequency toler	ance is accu	rate within ±10%	of the specified freque	ncy.
				[4]Typical.				,
				[5]See PCB Declaration of C	Conformanc	e PS023 or PS060	for details.	
				[6]Negative output along Z				
				[7]Performance depends or				
				[,]) entermance depends en	lineariang			
	🚊 🗇 Typical Sens	itivity Deviation vs Tempe	rature					
	<u> </u>			SUPPLIED ACCESSOR	ES:			
	ä 5			Model ICS-2 NIST-traceable	single-poin	t amplitude respo	nse calibration at 6000) cpm (100
				Hz) for each axis (1)	single poin	e uniplicade respo		cpiii (100
	\$ -5							
[5]	à ->†							
	iể -10 − −							
		10 20 50 80 440	140 170 200					
	គ្ល -70 -40 -	-10 20 50 80 110	140 170 200					
		T (175)						
		Temperature ("F)		Entered: LK Engineer	- YHK	Sales: MC	Approved: NJF	Spec Numbe
				Entered. Ek		Sules. Me	Approved. 1451	opeentambe
				Date: 07/03/2019 Date: 07,	/03/2019	Date: 07/03/2019	Date: 07/03/2019	47360
					CODC		Phone: 800-	
				SIMI SENS	ORS		Fax: 716-684	-3823
Il specifications are at room temperatur	e unless otherwise specified			MISENS	ORS			-3823
I specifications are at room temperatur the interest of constant product improv		hango epocifications with a t	notico	A PCB PIEZOTRON 3425 Walden Avenue, Depev			Fax: 716-684	-3823