Model Number 66102APZ1	ICP	<sup>®</sup> LOW-PRO	FILE TO-	<b>5 ACCELEROMET</b>	ER		evision: B CN #: 49711
				OPTIONAL VERSIONS			
Performance	ENGLISH	<b>SI</b>	101111	Optional versions have identic			standard mode
Sensitivity(± 20 %)	10 mV/g	1.02 mV/(m/s <sup>2</sup> )	[6][1]	Optional versions have identic except where	noted below. More than on	e option may be used	stanuaru moue
Measurement Range	± 500 g	± 5,000 m/s <sup>2</sup>				· · [· · · · · · · · · · · · · · · · ·	
requency Range(± 3 dB)	0.5 to 10 kHz	0.5 to 10 kHz	[3][7]	HT - High temperature, extend	ls normal 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 <sup>2</sup> rms	[4]	Temperature Range	-03 10 230 F	- 54	10 121 C
Ion-Linearity	≤ 1 %	≤ 1 %	[2]	RH - RoHS Compliant			
ransverse Sensitivity	≤ 7 %	≤ 7 %					
nvironmental							
)verload Limit(Shock)	5,000 g pk	49k m/s <sup>2</sup> 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 <sup>2</sup> )/√Hz	[4]				
pectral Noise(100 Hz)	8 µg/√Hz	78.5 (µm/sec <sup>2</sup> )/√Hz	[4]				
pectral Noise(1 kHz)	5 μg/√Hz		[4]				
	5 µg/ 112	49.1 (µm/sec <sup>2</sup> )/√Hz	[7]				
hysical							
ize - Lip Diameter	0.36 in	9.1 mm					
ize - Height	0.26 in	6.6 mm					
Veight	0.08 oz	2.2 gm					
Nounting	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:			
electrical Connections (Pin 2)	Neg (-) Ground	Neg (-) Ground		[1]Conversion Factor 1g = 9.81	m/s <sup>2</sup> .		
electrical Connections (Pin 3)	No Connection	No Connection		[2]Zero-based, least-squares,			
lectrical Connections(FIII 5)	Noconnection	NO CONTECTION		[3]The high frequency tolerance		of the specified freque	ncv.
				[4]Typical.		and specifical freque	
				[5]See PCB Declaration of Cont	formance PS023 or PS060 f	or details	
				[6]Positive output along Z-axis			
				[7]Performance depends on m		pirmounteu).	
				[/]Fertormatice depends of the	ounting		
	<ul> <li>Typical Sens</li> </ul>	itivity Deviation vs Tempe	rature				
	د			SUPPLIED ACCESSORIES			
	5 2			Model ICS-2 NIST-traceable sin	-	so collibration at 6000	cmm (100
	(*) Typical Sens Upical Sens				gie-point amplitude respor	ise calibration at 6000	cpm (100
	ž 0+			Hz) for each axis (1)			
	a _ /~						
[5]	∑ -5 <b>†</b>						
	jā _10 <b>↓</b>						
		40 00 50 00 410	440 470 000				
	ូភ្លូ -70 -40 ·	-10 20 50 80 110	140 170 200				
	•.						
		Temperature (°F)		Entered: LK Engineer: YH	IK Sales: MC	Approved: NJF	Spec Numbe
				Entered. LK Engineer. FF	IN Sales. IVIC	Approved. INF	spec Numbe
				Date: 07/03/2019 Date: 07/03	/2019 Date: 07/03/2019	Date: 07/03/2019	47362
						- Phone: 800-9	
					21.4° m		
					כח	Fax: 716-684	
Il specifications are at room temporatur	e unless otherwise specified					E-Mail: imi@	
II specifications are at room temperatu the interest of constant product impro	e unless otherwise specified.	hande specifications without	notice	A PCB PIEZOTRONICE 3425 Walden Avenue, Depew, N			