Model Number 138A26		ICP [®] PRESSURE SENSOR						evision: G CN #: 52121	
Performance	ENGLISH	SI			OF	TIONAL VERSIO	DNS	n de ad an e 1 d	
Measurement Range(for ±5V output)	25,000 psi	172,375 kPa		Optional versions h	have identical specific where noted belo	ations and accessori	es as listed for the sta	ndard model exce	
Useful Overrange(for ± 10V output)	50,000 psi	344,750 kPa	[1]		where noted beit		ption may be used.		
Sensitivity(± 15 %)	0.2 mV/psi	0.029 mV/kPa		N - Negative Ou	utput Polarity				
Maximum Pressure	50,000 psi	344,750 kPa							
Resolution	0.5 psi	3.5 kPa	[2]	W - Water Resis	stant Cable				
Resonant Frequency	≥ 1,000 kHz	≥ 1,000 kHz							
Rise Time(Reflected)	≤ 1.5 µ sec	≤ 1.5 µ sec							
Low Frequency Response(- 5 %)	1.7 Hz	1.7 Hz							
Non-Linearity	≤ 2.0 % FS	≤ 2.0 % FS	[3]						
Environmental									
Temperature Range(Operating)	-10 to +100 °F	-23 to +37.8 ℃							
Maximum Shock	20,000 g pk	196,140 m/s ² pk							
Electrical									
Output Polarity(Positive Pressure)	Positive	Positive							
Discharge Time Constant(at room temp		≥ 0.3 sec							
Excitation Voltage	20 to 30 VDC	20 to 30 VDC							
Constant Current Excitation	2 to 20 mA	2 to 20 mA							
Output Impedance	≤ 100 Ohm	≤ 100 Ohm							
Output Impedance Output Bias Voltage	≤ 100 Onm 8 to 14 VDC	≤ 100 Onm 8 to 14 VDC							
Physical	0 10 14 V DC	0 10 14 VDC							
Sensing Element	Tourmaline	Tourmaline							
Housing Material	Stainless Steel	Stainless Steel							
Electrical Connector Weight	10-32 Coaxial Jack 0.61 oz	10-32 Coaxial Jack 17.0 gm							
				limited by output [2]Typical. [3]Zero-based, lo	[1]For +10 volt output, minimum 24 VDC supply voltage required. Negative 10 volt output may be limited by output bias.				
C € _[4]									
				Entered: ND	Engineer: RPF	Sales: MV	Approved: BAM	Spec Number:	
				Date: 10/08/2021	Date: 10/08/2021	Date: 10/08/2021	Date: 10/08/2021	7253	
All specifications are at room temperatu In the interest of constant product impro ICP [®] is a registered trademark of PCB Pi	wement, we reserve the right to ch	ange specifications withou	t notice.		PIEZOTRO nue, Depew, NY 1404		6-684-0001 684-0987 fo@pcb.com		