


Model Number 118A02		CHARGE OUTPUT PRESSURE SENSOR		Revision: J ECN #: 34894	
Performance	ENGLISH	SI		OPTIONAL VERSIONS	
Sensitivity(± 15 %)	0.1 pC/psi	0.014 pC/kPa		Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.	
Measurement Range	20 kpsi	137,900 kPa		M - Metric Mount	
Maximum Pressure(static)	50 kpsi	344,750 kPa		P - Positive Output Polarity	
Resolution	200 mpsi	1.4 kPa		W - Water Resistant Cable	
Resonant Frequency	≥ 250 kHz	≥ 250 kHz			
Rise Time(Reflected)	≤ 2.0 μ sec	≤ 2.0 μ sec	[2]		
Non-Linearity	≤ 2.0 % FS	≤ 2.0 % FS			
Environmental				NOTES:	
Acceleration Sensitivity	≤ 0.05 psi/g	≤ 0.035 kPa/(m/s ²)		[1] Nominal.	
Temperature Range(Operating)	-400 to +400 °F	-240 to +204 °C		[2] Zero-based, least-squares, straight line method.	
Temperature Coefficient of Sensitivity	≤ 0.1 %/°F	≤ 0.18 %/°C			
Maximum Flash Temperature	3000 °F	1649 °C			
Maximum Vibration	2000 g pk	19,620 m/s ² pk			
Maximum Shock	20,000 g pk	196,200 m/s ² pk			
Electrical				SUPPLIED ACCESSORIES:	
Output Polarity(Positive Pressure)	Negative	Negative		Model 065A06 Seal ring 0.318" OD x 0.250" ID x 0.010" thk 316L SS material (3)	
Capacitance	10 pF	10 pF	[1]		
Insulation Resistance(at room temp)	≥ 10 ¹² ohm	≥ 10 ¹² ohm			
Physical				Entered: <i>Let</i> Engineer: <i>ARB</i> Sales: <i>KWW</i> Approved: <i>EB</i> Spec Number:	
Sensing Element	Quartz	Quartz		Date: <i>1-25-11</i> Date: <i>1-20-11</i> Date: <i>1-20-11</i> Date: <i>1-21-11</i> 118-1020-80	
Sensing Geometry	Compression	Compression			
Housing Material	C-300	C-300			
Diaphragm	C-300	C-300			
Sealing	Welded Hermetic	Welded Hermetic			
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack			
Weight	0.42 oz	12.0 gm			
<p><i>All specifications are at room temperature unless otherwise specified.</i> <i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i></p> <p>ICP® is a registered trademark of PCB Group, Inc.</p>					
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