

Model Number 119B12	CHARGE OUTPUT PRESSURE SENSOR			Revision D ECN #: 27048										
Performance	ENGLISH	SI	Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)											
Sensitivity (±15 %)	0.25 pC/psi	0.036 pC/kPa	H - Hermetic Seal											
Measurement Range	0 to 120000 psi	0 to 827000 kPa	Maximum Shock	20000 g pk 196200 g pk										
Maximum Pressure	125 kpsi	862000 kPa	Housing Material	17-4 Stainless 17-4 Stainless										
Resolution	≤1 psi	≤7 kPa		Steel Steel										
Resonant Frequency	≥400 kHz	≥400 kHz	Sealing	Welded Hermetic Welded Hermetic										
Rise Time (Reflected)	≤2 μ sec	≤2 μ sec	M - Metric Mount											
Non-Linearity	≤2 % FS	≤2 % FS	P - Positive Output Polarity											
			W - Water Resistant Cable											
Environmental			Notes											
Acceleration Sensitivity	≤0.02 psi/g	≤0.015 kPa/(m/s²)	[1] Nominal.											
Temperature Range (Operating)	-300 to 400 °F	-184 to 204 °C	[2] Zero-based, least-squares, straight line method.											
Temperature Coefficient of Sensitivity	≤0.07 %/°F	≤0.126 %/°C	[3] Ceramic coated.											
Maximum Flash Temperature	4000 °F	2204 °C												
Maximum Vibration	2000 g pk	19614 m/s² pk												
Maximum Shock	50000 g pk	490330 m/s² pk												
Electrical			Supplied Accessories											
Output Polarity (Positive Pressure)	Negative	Negative	065A06 Seal ring 0.318" OD x 0.250" ID x 0.010" thk 316L SS material (3)											
Capacitance	20 pF	20 pF												
Insulation Resistance (at room temp)	≥1E12 Ohm	≥1E12 Ohm												
Physical														
Sensing Element	Quartz	Quartz												
Housing Material	C-300	C-300												
Diaphragm	C-300	C-300												
Sealing	Epoxy	Epoxy												
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack												
Weight	.5 oz	14 gm												
All specifications are at room temperature unless otherwise specified. In the interest of constant product improvement, we reserve the right to change specifications without notice. ICP® is a registered trademark of PCB group, Inc.														
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