Model Number **119B11**	**CHARGE OUTPUT PRESSURE SENSOR**	Revision D ECN #: 27048

	ENGLISH	SI	
Performance			
Sensitivity (±15 %)	0.25 pC/psi	0.036 pC/kPa	
Measurement Range	0 to 80000 psi	0 to 552000 kPa	
Maximum Pressure	100 kpsi	690000 kPa	
Resolution	≤1 psi	≤7 kPa	
Resonant Frequency	≥400 kHz	≥400 kHz	
Rise Time (Reflected)	≤2 µ sec	≤2 µ sec	
Non-Linearity	≤2 % FS	≤2 % FS	[2]
Environmental			
Acceleration Sensitivity	≤0.02 psi/g	≤0.015 kPa/(m/s²)	
Temperature Range (Operating)	-300 to 400 °F	-184 to 204 °C	
Temperature Coefficient of Sensitivity	≤0.07 %/°F	≤0.126 %/°C	
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			
Output Polarity (Positive Pressure)	Negative	Negative	
Capacitance	20 pF	20 pF	[1]
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	[3]
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.

Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)

H - Hermetic Seal		
Maximum Shock	20000 g pk	196200 g pk
Housing Material	17-4 Stainless Steel	17-4 Stainless Steel
Sealing	Welded Hermetic	Welded Hermetic

M - Metric Mount
P - Positive Output Polarity
W - Water Resistant Cable

Notes
[1] Nominal.
[2] Zero-based, least-squares, straight line method.
[3] Ceramic coated.

Supplied Accessories
065A06 Seal ring 0.318" OD x 0.250" ID x 0.010" thk 316L SS material (3)

Entered: BLS	Engineer: RPF	Sales: DPC	Approved: RPF	Spec Number:
Date: 08/11/2007	Date: 08/07/2007	Date: 08/07/2007	Date: 08/07/2007	**20687**

PCB PIEZOTRONICS PRESSURE DIVISION
3425 Walden Avenue
Depew, NY 14043
UNITED STATES
Phone: 800-828-8840
Fax: 716-684-0987
E-mail: info@pcb.com
Web site: www.pcb.com