

Model Number 118A07	CHARGE OUTPUT PRESSURE SENSOR	Revision: D ECN #: 48697
-------------------------------	--------------------------------------	-----------------------------

	<u>ENGLISH</u>	<u>SI</u>	
Performance			
Sensitivity(± 15 %)	0.28 pC/psi	0.041 pC/kPa	
Measurement Range	15 kpsi	103,400 kPa	
Maximum Pressure	35 kpsi	241,316 kPa	[2]
Resolution	10 mpsi	0.069 kPa	[3]
Resonant Frequency	≥ 175 kHz	≥ 175 kHz	
Rise Time(Reflected)	≤ 2.5 μ sec	≤ 2.5 μ sec	
Non-Linearity	≤ .5 % FS	≤ .5 % FS	[4]
Environmental			
Acceleration Sensitivity	≤ 0.03 psi/g	≤ 0.021 kPa/(m/s ²)	
Temperature Range(Operating)	-50 to +325 °F	-46 to +163 °C	
Temperature Coefficient of Sensitivity	≤ 0.06 %/°F	≤ 0.108 %/°C	
Maximum Flash Temperature	3000 °F	1649 °C	
Maximum Shock	20,000 g pk	196,140 m/s ² pk	
Electrical			
Output Polarity(Positive Pressure)	Negative	Negative	[1]
Capacitance	5 pF	5 pF	
Insulation Resistance	≥ 10 ¹² Ohm	≥ 10 ¹² Ohm	
Physical			
Sensing Element	Quartz	Quartz	
Housing Material	Stainless Steel	Stainless Steel	
Diaphragm	Stainless Steel	Stainless Steel	
Sealing	Epoxy	Epoxy	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Weight	0.52 oz	14.6 gm	

OPTIONAL VERSIONS

Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

M - Metric Mount

P - Positive Output Polarity

W - Water Resistant Cable

NOTES:

[1] Typical.

[2] Non-Linearity for maximum pressure will be ≤1.0%

[3] Resolution dependent on range setting and cable length used in charge system.

[4] Zero-based, least-squares, straight line method.

[5] See PCB Declaration of Conformance PS158 for details.

SUPPLIED ACCESSORIES:

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

Model 065A19 Spacer set, 0.250" ID (1)

Entered: LK	Engineer: RPF	Sales: RWM	Approved: BAM	Spec Number:
Date: 9/24/2018	Date: 9/24/2018	Date: 9/24/2018	Date: 9/24/2018	61551



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.



3425 Walden Avenue, Depew, NY 14043

Phone: 716-684-0001
Fax: 716-684-0987
E-Mail: info@pcb.com