

Model Number
112A06

CHARGE OUTPUT PRESSURE SENSOR

Revision: A
ECN #: 54975

Performance

	ENGLISH	SI	
Sensitivity(15 %)	2.8 pC/psi	0.41 pC/kPa	
Measurement Range	5,000 psi	34,475 kPa	
Maximum Pressure(Total)	15,000 psi	103,421 kPa	
Resonant Frequency	≥ 200 kHz	≥ 200 kHz	
Rise Time(Reflected)	≤ 2.0 μ sec	≤ 2.0 μ sec	
Non-Linearity	≤ 1.0 % FS	≤ 1.0 % FS	[1]

Environmental

Acceleration Sensitivity	≤ 0.01 psi/g	≤ 0.007 kPa/(m/s ²)	
Acceleration Sensitivity	0.005 psi/g	.0035 kPa/(m/s ²)	[2]
Temperature Range(Operating)	-400 to +662 °F	-240 to +350 °C	
Temperature Response	See Graph	See Graph	
Maximum Flash Temperature	3,000 °F	1,649 °C	
Maximum Vibration	5,000 g pk	49,000 m/s ² pk	
Maximum Shock	10,000 g pk	98,000 m/s ² pk	

Electrical

Output Polarity(Positive Pressure)	Negative	Negative	
Capacitance	66 pF	66 pF	[2]
Insulation Resistance(Room Temp.)	≥ 1.0 Tohm	≥ 1.0 Tohm	
Insulation Resistance(662°F/350°C)	≥ 1.0 MOhm	≥ 1.0 MOhm	

Physical

Sensing Element	UHT-12™	UHT-12™	
Sensing Geometry	Compression	Compression	
Housing Material	17-4 Stainless Steel	17-4 Stainless Steel	
Diaphragm	316L Stainless Steel	316L Stainless Steel	
Sealing	Welded Hermetic	Welded Hermetic	
Electrical Connector	10-32 Coaxial Jack	10-32 Coaxial Jack	
Weight	0.21 oz	6.0 gm	

OPTIONAL VERSIONS

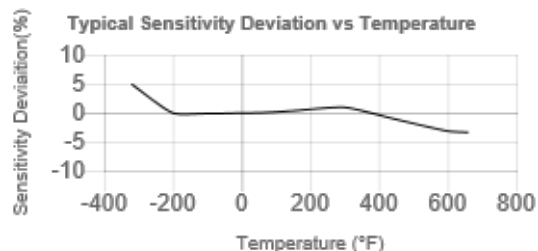
Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.

NOTES:

- [1]Zero-based, least-squares, straight line method.
- [2]Typical.
- [3]See PCB Declaration of Conformance PS158 for details.

SUPPLIED ACCESSORIES:

- Model 060A03 Clamp nut, 5/16-24-2A thd, 1/4" hex, stainless steel (1)
- Model 060A05 Clamp nut M7 x 0.75-6g thd (1)
- Model 065A02 Seal ring, sensor flush mount, 0.248" OD x 0.219" ID x 0.015" thk, brass (3)
- Model 065A05 Seal sleeve sensor recess mount 0.248" OD x 0.221" ID x 0.240" thk 17-7 (1)
- Model 065A29 Seal, .250" OD x .218" ID x .015", 316L (2)
- Model PCS-1BA Sensitivity calibration at 100%, 10% and 2% of sensor range



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.
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Entered: ND	Engineer: AJA	Sales: RWM	Approved: RPF	Spec Number:
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