


Model Number 171M01	<b>CHARGE OUTPUT PRESSURE SENSOR</b>		Revision D ECN #: 34876						
<b>Performance</b> Sensitivity ( $\pm 20\%$ ) Measurement Range Maximum Pressure (static) Resonant Frequency Rise Time (Reflected) Non-Linearity	<b>ENGLISH</b> 1100 pC/psi 10 psi 600 psi $\geq 25$ kHz $\leq 10 \mu$ sec $\leq 1.0\%$ FS	<b>SI</b> 160 pC/kPa 68.9 kPa 4136 kPa $\geq 25$ kHz $\leq 10 \mu$ sec $\leq 1.0\%$ FS	<b>Optional Versions</b> (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)  <b>Notes</b> [1] Typical. [2] Zero-based, least-squares, straight line method.						
<b>Environmental</b> Acceleration Sensitivity Temperature Range (Operating) Temperature Coefficient of Sensitivity Maximum Shock	<0.01 psi/g 0 to 500 °F $\leq 0.08\%$ /°F 1000 g pk	<0.007 kPa/(m/s <sup>2</sup> ) -18 to 260 °C $\leq 0.144\%$ /°C 1000 g pk	<b>Supplied Accessories</b> 31061-01 SEAL, 1.370" OD x 1.130" ID x.030", BRASS (2)						
<b>Electrical</b> Output Polarity (Positive Pressure) Capacitance Electrical Isolation Internal Resistance (room temp ) Internal Resistance (@500F )	Positive 12000 pF $\geq 10^8$ Ohm $\geq 1$ GOhm $\geq 500$ kohm	Positive 12000 pF $\geq 10^8$ Ohm $\geq 1$ GOhm $\geq 500$ kohm	[1]						
<b>Physical</b> Sensing Geometry Housing Material  Diaphragm  Sealing Electrical Connector Weight	Compression 316L Stainless Steel  316L Stainless Steel  Welded Hermetic 2-Pin MIL-C-5015 6.5 oz	Compression 316L Stainless Steel  316L Stainless Steel  Welded Hermetic 2-Pin MIL-C-5015 185 gm	[1]						
<p><i>All specifications are at room temperature unless otherwise specified.</i></p> <p>In the interest of constant product improvement, we reserve the right to change specifications without notice.</p> <p>ICP® is a registered trademark of PCB group, Inc.</p>									
Entered: DMW Date: 02/24/2011		Engineer: MJN Date: 02/24/2011		Sales: DPC Date: 02/24/2011		Approved: TB Date: 02/24/2011		Spec Number: <b>33820</b>	
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