


Model Number 219A05	CHARGE OUTPUT FORCE SENSOR			Revision: A ECN #: 45232										
Performance	ENGLISH	SI		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.										
Sensitivity(± 15 %)	20 pC/lb	4497 pC/kN												
Measurement Range(Compression)	560 lb	2.491 kN		NOTES: [1]Typical. [2]Estimated using rigid body dynamics calculations. [3]Low frequency response and system noise dependent on choice of external signal conditioning electronics. [4]Zero-based, least-squares, straight line method.										
Maximum Static Force(Compression)	675 lb	3.003 kN												
Upper Frequency Limit	140,000 Hz	140,000 Hz	[2][3]											
Non-Linearity	≤ 1 % FS	≤ 1 % FS	[4]											
Environmental														
Temperature Range	-300 to +400 °F	-184 to +204 °C												
Temperature Coefficient of Sensitivity	≤ 0.05 %/°F	≤ 0.09 %/°C												
Electrical														
Capacitance	5 pF	5 pF	[1]											
Insulation Resistance(400°F)	≥ 10 ¹²	≥ 10 ¹²												
Output Polarity(Compression)	Negative	Negative												
Physical														
Stiffness	3 lb/μin	1.05 kN/μm	[1]											
Size (Diameter x Height)	0.2360 in x 0.2362 in	6.000 mm x 5.995 mm												
Weight	0.042 oz	1.2 gm												
Housing Material	Stainless Steel	Stainless Steel												
Sealing	Hermetic	Hermetic												
Electrical Connector	5-44 Coaxial	5-44 Coaxial												
Electrical Connection Position	Side	Side												
<p><i>All specifications are at room temperature unless otherwise specified.</i> <i>In the interest of constant product improvement, we reserve the right to change specifications without notice.</i> ICP® is a registered trademark of PCB Group, Inc.</p>														
		<table border="1"> <tr> <td>Entered: LK</td> <td>Engineer: MJK</td> <td>Sales: KWW</td> <td>Approved: APB</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 4/7/2016</td> <td>Date: 4/7/2016</td> <td>Date: 4/7/2016</td> <td>Date: 4/7/2016</td> <td>33268</td> </tr> </table>		Entered: LK	Engineer: MJK	Sales: KWW	Approved: APB	Spec Number:	Date: 4/7/2016	Date: 4/7/2016	Date: 4/7/2016	Date: 4/7/2016	33268	
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