


Model Number 3123-01A	<b>ROTARY TORQUE TRANSFORMER, SHAFT-SHAFT</b>			Revision NR ECN #:										
<b>Performance</b> Measurement Range (Full Scale Capacity) Sensitivity (output at rated capacity) Non-Linearity Hysteresis Non-Repeatability	<b>ENGLISH</b> 100 in-lb 2.0 mV/V ≤0.1 % FS ≤0.1 % FS ≤0.05 % FS	<b>SI</b> 11.3 Nm 2.0 mV/V ≤0.1 % FS ≤0.1 % FS ≤0.05 % 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>Environmental</b> Overload Limit Temperature Range (Operating) Temperature Range (Compensated) Temperature Effect on Output (Maximum)	200 in-lb 0 to 200 °F 70 to 150 °F ±0.002 %Reading/°F	22.6 Nm -18 to 93 °C 21 to 66 °C ±0.0018 %Reading/°C ±0.0018 %FS/°C		<b>Notes</b> [1] Recommended 10 VAC RMS. [2] FS - Full Scale. [3] Over compensated operating temperature range. [4] Nominal. [5] See drawing 44773 for complete dimensions.										
<b>Electrical</b> Bridge Resistance Excitation Voltage  Insulation Resistance Zero Balance Bridge Current (at 5 VAC)	350 Ohm 20 VDC or VAC rms >5 GOhm ≤2 % FS 50 mA	350 Ohm 20 VDC or VAC rms >5 GOhm ≤2 % FS 50 mA												
<b>Physical</b> Size (Shaft Length x Housing Length x Housing Height x Shaft Diameter x Shaft Keyway) Weight Mounting Sensing Element Housing Material Shaft Material Electrical Connector Electrical Connection Position Rotating Inertia Maximum Speed	9.00 in x 4.58 in x 4.00 in x 0.75 in x 3/16 in 4.5 lb Keyed Shaft Strain Gage Aluminum Alloy Steel PT02H-10-6P Top 0.48 in-lb/sec2 7900 RPM	228.6 mm x 116.3 mm x 101.6 mm x 19 mm x 4.7 mm 2.04 Kg Keyed Shaft Strain Gage Aluminum Alloy Steel PT02H-10-6P Top 0.48 in-lb/sec2 7900 RPM		<table border="1"> <tr> <td data-bbox="1125 1175 1310 1198">Entered: BLS</td> <td data-bbox="1310 1175 1482 1198">Engineer: PE</td> <td data-bbox="1482 1175 1654 1198">Sales: JC</td> <td data-bbox="1654 1175 1839 1198">Approved: BLS</td> <td data-bbox="1839 1175 2011 1198">Spec Number:</td> </tr> <tr> <td data-bbox="1125 1198 1310 1221">Date: 03/27/2010</td> <td data-bbox="1310 1198 1482 1221">Date: 03/27/2010</td> <td data-bbox="1482 1198 1654 1221">Date: 03/27/2010</td> <td data-bbox="1654 1198 1839 1221">Date: 03/27/2010</td> <td data-bbox="1839 1198 2011 1221"><b>45884</b></td> </tr> </table>	Entered: BLS	Engineer: PE	Sales: JC	Approved: BLS	Spec Number:	Date: 03/27/2010	Date: 03/27/2010	Date: 03/27/2010	Date: 03/27/2010	<b>45884</b>
Entered: BLS	Engineer: PE	Sales: JC	Approved: BLS	Spec Number:										
Date: 03/27/2010	Date: 03/27/2010	Date: 03/27/2010	Date: 03/27/2010	<b>45884</b>										
<p data-bbox="121 1227 777 1250"><i>All specifications are at room temperature unless otherwise specified.</i></p> <p data-bbox="121 1252 1073 1297">In the interest of constant product improvement, we reserve the right to change specifications without notice.</p> <p data-bbox="121 1299 596 1321">ICP® is a registered trademark of PCB group, Inc.</p> <div data-bbox="1142 1276 1514 1333" style="display: inline-block; vertical-align: top;">  </div> <div data-bbox="1570 1276 1955 1468" style="display: inline-block; vertical-align: top; margin-left: 20px;"> <p>Company: PCB Load &amp; Torque, Inc. Address: 24350 Indoplex Circle Farmington Hills, MI 48335 UNITED STATES Phone: 866-684-7107 Fax: 716-684-0987 E-mail: <a href="mailto:ltinfo@pcbloadtorque.com">ltinfo@pcbloadtorque.com</a> Web site: <a href="http://www.pcbloadtorque.com">http://www.pcbloadtorque.com</a></p> </div>														