


Model Number 3123-02A	ROTARY TORQUE TRANSFORMER, SHAFT-SHAFT			Revision NR ECN #:										
Performance	ENGLISH	SI		Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)										
Measurement Range (Full Scale Capacity)	200 in-lb	22.6 Nm		Notes [1] Recommended 10 VAC RMS. [2] FS - Full Scale. [3] Over compensated operating temperature range. [4] Nominal. [5] See drawing 44773 for complete dimensions.										
Sensitivity (output at rated capacity)	2.0 mV/V	2.0 mV/V	[4]											
Non-Linearity	≤0.1 % FS	≤0.1 % FS	[2]											
Hysteresis	≤0.1 % FS	≤0.1 % FS	[2]											
Non-Repeatability	≤0.05 % FS	≤0.05 % FS	[2]											
Environmental														
Overload Limit	400 in-lb	45.2 Nm												
Temperature Range (Operating)	0 to 200 °F	-18 to 93 °C												
Temperature Range (Compensated)	70 to 150 °F	21 to 66 °C												
Temperature Effect on Output (Maximum)	±0.002 %Reading/°F	±0.0018 %Reading/°C	[3]											
Temperature Effect on Zero Balance (Maximum)	±0.002 %FS/°F	±0.0018 %FS/°C	[3]											
Electrical														
Bridge Resistance	350 Ohm	350 Ohm												
Excitation Voltage	20 VDC or VAC	20 VDC or VAC rms	[1]											
	rms													
Insulation Resistance	>5 GOhm	>5 GOhm												
Zero Balance	≤2 % FS	≤2 % FS	[2]											
Bridge Current (at 5 VAC)	50 mA	50 mA												
Physical														
Size (Shaft Length x Housing Length x Housing Height x Shaft Diameter x Shaft Keyway)	9.00 in x 4.58 in x 4.00 in x 0.75 in x 3/16 in	228.6 mm x 116.3 mm x 101.6 mm x 19 mm x 4.7 mm	[5]											
Weight	4.5 lb	2.04 Kg												
Mounting	Keyed Shaft	Keyed Shaft												
Sensing Element	Strain Gage	Strain Gage												
Housing Material	Aluminum	Aluminum												
Shaft Material	Alloy Steel	Alloy Steel												
Electrical Connector	PT02H-10-6P	PT02H-10-6P												
Electrical Connection Position	Top	Top												
Rotating Inertia	0.48 in-lb/sec ²	0.48 in-lb/sec ²												
Maximum Speed	7900 RPM	7900 RPM												
<table border="1"> <tr> <td>Entered: BLS</td> <td>Engineer: PE</td> <td>Sales: JC</td> <td>Approved: BLS</td> <td>Spec Number:</td> </tr> <tr> <td>Date: 03/27/2010</td> <td>Date: 03/27/2010</td> <td>Date: 03/27/2010</td> <td>Date: 03/27/2010</td> <td>45885</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	45885
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<p><i>All specifications are at room temperature unless otherwise specified.</i> 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.</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div data-bbox="1134 1266 1512 1331">  <p>PCB LOAD & TORQUE A PCB GROUP COMPANY</p> </div> <div data-bbox="1554 1266 2016 1461"> <p>Company: PCB Load & Torque, Inc. Address: 24350 Indoplex Circle Farmington Hills, MI 48335 UNITED STATES Phone: 866-684-7107 Fax: 716-684-0987 E-mail: ltinfo@pcbloadtorque.com Web site: http://www.pcbloadtorque.com</p> </div> </div>														



Represented in India by

Structural Solutions Pvt Ltd. | Phone: 040 2322 2380 | Email: sales@stsols.com

#4th Floor, Sudheer Tapani Towers, Himayath Nagar, Hyderabad - 500 029