Model Number 2508-05A	REACTION TORQUE SENSOR							vision: E N #: 44533
Performance Measurement Range(Full Scale Capacity) Sensitivity(output at rated capacity) Non-Linearity Hysteresis Non-Repeatability Resonant Frequency Maximum Torque	ENGLISH 1000 lbf-in 2 mV/V ≤ 0.1 % FS ≤ 0.1 % FS ≤ 0.02 % FS 2700 Hz 1500 lbf-in	SI         113 Nm         2 mV/V         ≤ 0.1 % FS         ≤ 0.1 % FS         ≤ 0.2 % FS         2700 Hz         170 Nm	[1] [1][5] [5] [5] [5]	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]Nominal. [2]Calibrated at 10 VDC, usable 5 to 20 VDC or VAC RMS. [3]Singularly applied, i.e. no other extraneous loads. [4]Over compensated operating temperature range. [5]FS - Full Scale. [6]See Drawing 32786 for Complete Dimensions SUPPLIED ACCESSORIES: Model 181-012A PT06A-10-6S(SR) (1)				
Environmental Overload Limit(Axial Thrust) Overload Limit(Axial Thrust) Overload Limit(Shear) Temperature Range(Operating) Temperature Range(Compensated) Temperature Effect on Output(Maximum) Temperature Effect on Zero Balance(Maximum) Electrical Bridge Resistance Excitation Voltage(Recommended) Insulation Resistance Zero Balance	660 lbf 500 lbf-in 800 lbf -65 to +200 °F +70 to +170 °F ± 0.002 %Reading/°F ± 0.002 %FS/°F 350 Ohm 10 VDC 5 GOhm ≤ 1 %RO	2936 N 56.5 Nm 3559 N -54 to +93 °C +21 to +77 °C ± 0.0036 %Reading/°C ± 0.0036 %FS/°C 350 Ohm 10 VDC 5 GOhm ≤ 1 %RO	[3] [3] [4] [4][5] [1] [2]					
Output Polarity Physical	CW+	CW+		Entered: JM	Engineer: PE	Sales: KWW	Approved: JSD	Spec Number
Size (Diameter x Length) Weight	2.00 in x 3.00 in 2 lb	50.8 mm x 76.2 mm 908 g	[6]	Date: 9/15/2015	Date: 9/15/2015	Date: 9/15/2015	Date: 9/15/2015	18535
Mounting Torsional Stiffness Sensing Element Electrical Connector Housing Material All specifications are at room temperature unless In the interest of constant product improvement, u ICP® is a registered trademark of PCB Group, Inc	Flange (#10-24 Bolts)       Flange (No Metric Equivalent)         127 klbf-in/radian       14.35 kN-m/radian         Strain Gage       Strain Gage         PT02E-10-6P       PT02E-10-6P         Anodized Aluminum       Anodized Aluminum         therwise specified.       reserve the right to change specifications without notice.	1	PCB Load & Torque 24350 Indoplex Circle Farmington Hills, MI 48335 UNITED STATES Phone: 866-684-7107 Fax: 716-684-0987 E-Mail: Itinfo@pcbloadtorque.com Web site: http://www.pcbloadtorque.com					



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