Model Number 2303-02A	REACTION TORQUE SENSOR							rision: E N #: 47636	
Performance Measurement Range(Full Scale Capacity) Sensitivity(± 15 %)(output at rated capacity) Non-Linearity Hysteresis Non-Repeatability Resonant Frequency Maximum Torque	ENGLISH 100,000 lbf-in 2 mV/V ≤ 0.1 % FS ≤ 0.1 % FS ≤ 0.02 % FS 1.25 kHz 150,000 lbf-in	SI 11,298 Nm 2 mV/V ≤ 0.1 % FS ≤ 0.1 % FS ≤ 0.02 % FS 1.25 kHz 16,948 Nm	[1] [1][5] [5] [5] [5]	 [[5] except where noted below. More than one option may be used. [5] [5] 					
Environmental Overload Limit(Axial Thrust) Overload Limit(Overhung Moment) Overload Limit(Shear) Temperature Range(Coperating) Temperature Range(Compensated) Temperature Effect on Output(Maximum) Temperature Effect on Zero Balance(Maxim Electrical Bridge Resistance Excitation Voltage(Recommended)	350 Ohm 10 VDC	444.8 kN 5650 Nm 88.96 kN -54 to +93 °C +21 to +77 °C ± 0.0036 %Reading/°C ± 0.0036 %FS/°C 350 Ohm 10 VDC	[3] [3] [3] [4] [4][5] [1] [2]	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 26441 for Complete Dimensions SUPPLIED ACCESSORIES: Model 181-012A PT06A-10-6S(SR) (1)					
Insulation Resistance Zero Balance Physical	5 GOhm ≤ 1 %RO	5 GOhm ≤ 1 %RO		Entered: LK	Engineer: PE	Sales: KH	Approved: JSD	Spec Number:	
Size (Diameter x Length) Weight	8.00 in x 7.38 in 50 lb	203.2 mm x 187.45 mm 22.67 kg	[6]	Date: 2/22/2018	Date: 2/22/2018	Date: 2/22/2018	Date: 2/22/2018	18728	
Mounting Torsional Stiffness Sensing Element Housing Material(Sensor) Electrical Connector All specifications are at room temperature ui In the interest of constant product improvem	Flange (5/8in Bolts) 25,700 klbf-in/radian Strain Gage Plated Steel PT02E-10-6P nless otherwise specified.	Flange (M16 Bolts) 2903 kN-m/radian Strain Gage Plated Steel PT02E-10-6P		PCB LOAD & TOROUE A PCB PIEZOTRONICS DIV A PC					