

2508-03A (3125-01A) 3122-04A反作用扭矩传感器美国PCB原厂品质

产品名称	2508-03A (3125-01A) 3122-04A反作用扭矩传感器美国PCB原厂品质
公司名称	上海持承自动化设备有限公司
价格	719.00/件
规格参数	PCB:3125-01A 03A:3122-04A 美国:2508-03A
公司地址	上海市金山区吕巷镇干巷荣昌路318号3幢1018室
联系电话	021-59112701 13671506557

产品详情

2508-03A (3125-01A) 3122-04A反作用扭矩传感器美国PCB原厂品质

Model: 2508-03APCB L&T反作用扭矩传感器，200 in-lb/16.7 ft-lb (22.6 N-m) 额定容量，50%静态过载保护，2 in (50.8 mm) 钢法兰测量范围：200 lbf in (22.6 Nm) 灵敏度：2 mV/V (2 mV/V) 安装：法兰 (10-24螺栓) (法兰 (无公制等效) 尺寸-直径：2.00英寸 (50.8毫米) 尺寸-长度：3.00英寸 (76.2毫米) 扭转刚度：18.8 klf in/弧度 (2124 N-m/弧度)

Performance

Measurement Range (Full Scale Capacity) 200 lbf-in

Sensitivity (output at rated capacity) 2 mV/V

Non-Linearity 0.1 % FS

Hysteresis 0.1 % FS

Non-Repeatability 0.02 % FS

Resonant Frequency	1040 Hz
Maximum Torque	300 lbf-in
Environmental Overload Limit (Axial Thrust)	400 lbf
Overload Limit (Overhung Moment)	200 lbf-in
Overload Limit (Shear)	26 lbf
Temperature Range (Operating)	-65 to +200 ° F
Temperature Range (Compensated)	+70 to +170 ° F
Temperature Effect on Output (Maximum)	± 0.002 %Reading/ ° F
Temperature Effect on Zero Balance (Maximum)	± 0.002 %FS/ ° F
Electrical Bridge Resistance	700 Ohm
Excitation Voltage (Recommended)	10 VDC
Insulation Resistance	5 GOhm

Zero Balance	1 %RO
Output Polarity	CW+
Physical Size - Diameter	2.00 in
Size - Length	3.00 in
Weight	2 lb
Mounting	Flange (#10-24 Bolts)
Torsional Stiffness	18.8 klbf-in/radian
Sensing Element	Strain Gage
Housing Material (Sensor)	Anodized Aluminum
Electrical Connector	PT02E-10-6P

Model: 3125-01APCB L&T旋转扭矩传感器（滑环），5000 in-lb/417 ft-lb（565 N-m）额定容量，100%静态过载保护，1 1/2-in（38.1 mm）轴速度传感器单独出售。测量范围：5000英寸磅（565牛米）灵敏度：2.0 mV/V非线性：<=0.1%FS安装：键轴最高转速：7900转/分

Reference

Measurement Range (Full Scale Capacity)	5000 in-lb
Sensitivity (output at rated capacity)	2.0 mV/V
Non-Linearity	0.1 % FS
Hysteresis	0.1 % FS
Non-Repeatability	0.05 % FS
Environmental Overload Limit	10000 in-lb
Temperature Range (Operating)	0 to 200 ° F
Temperature Range (Compensated)	70 to 150 ° F
Temperature Effect on Output (Maximum)	± 0.002 %Reading/ ° F
Temperature Effect on Zero Balance (Maximum)	± 0.002 %FS/ ° F
Electrical Bridge Resistance	350 Ohm
Excitation Voltage	20 VDC or VAC rms
Insulation Resistance	>5000 MOhm

Zero Balance	2 % FS
Bridge Current (at 5 VAC)	50 mA
Physical Size - Shaft Length	11.00 in
Size - Housing Length	5.25 in
Size - Housing Height	4.50 in
Size - Shaft Diameter	1.50 in
Size - Shaft Keyway	3/8 in
Weight	9.5 lb
Mounting	Keyed Shaft
Sensing Element	Strain Gage
Housing Material	Aluminum
Shaft Material	Alloy Steel

Electrical Connector

PT02H-10-6P

Electrical Connection Position

Top

Maximum Speed

7900 RPM

反作用力扭矩传感器

型号	量程	灵敏度	过载能力	谐振频率	温度范围	接头形式	重量
2308-01A	0.56 N-m	2 mV/V	0.85 N-m	200 Hz	-54— +93	6 针	0.09 kg
2308-02A	1.1 N-m	1.69 N-m	350 Hz				
2308-03A	2.3 N-m	3.4 N-m	580 Hz				
2309-01A	5.6 N-m	90 Hz	0.59 kg				
2309-02A	150 Hz						
2508-01A	8.5 N-m	380 Hz	0.45 kg				
2508-02A	11 N-m	17 N-m	620 Hz				
2508-03A	23 N-m	34 N-m	1040 Hz				
2508-04A	55 N-m	85 N-m	2050 Hz				
2508-05A	115 N-m	170 N-m	2700 Hz				
2301-01A	225 N-m	340 N-m	1000 Hz	2.27 kg	565 N-m	850 N-m	1800 Hz
2302-01A	1130 N-m	1700 N-m	1400 Hz	4.54 kg			
2302-02A	2250 N-m	3400 N-m	2200 Hz				
2303-01A	5650 N-m	8500 N-m	750 Hz	26.3 kg			
2303-02A	11.3 k N-m	16.9 k N-m	1250 Hz				
2304-01A	690 Hz	48.1 kg					
2304-02A	22.6 k N-m	33.9 k N-m	1100 Hz				
2305-01A	50.8 k N-m	560 Hz	99.8 kg				
2305-02A	56.5 k N-m	84.7 k N-m	780 Hz				

注:

1. 非线性度: 0.1%FS
2. 滞后性: 0.1%FS
3. 非重复性: 0.02%FS

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