

# 3590S电位器,3590S-2-502L,BOURNS精密电位器,10圈精密线绕电位器

产品名称	3590S电位器,3590S-2-502L,BOURNS精密电位器,10圈精密线绕电位器
公司名称	深圳市博恩斯科技有限公司
价格	面议
规格参数	品牌:BOURNS/邦思 型号:3590S-2-502L
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## 产品详情

### 3590s技术参数

电气特性 ( electrical characteristics )      标准阻值范围(standard resistance range ) .....200 to 100k ohms      阻值允许偏差(resistance tolerance ) .....  $\pm 5\%$       独立线性度(independent linearity).....  $\pm 0.25\%$       有效旋转角度(effective electrical angle).....3600 ° +10 ° , -0 °      最小阻值(absolute minimum resistance ) .....1 ohm or 0.1 % maximum (whichever is greater)      噪音(noise).....100 ohms enr maximum      耐电压(dielectric withstanding voltage)(mil-std-202, method 301) 海平面 ( sea level ) .....1,500 vac minimum      额定功率(power rating)(voltage limited by power dissipation or 450 vac, whichever is less) +40 ° c.....2 watts +125 ° c.....0 watt      绝缘电阻(insulation resistance)(500 vdc).....1,000 megohms minimum      分辨率(resolution) .....see recommended part numbers      环境特性(environmental characteristics)      工作温度范围(operating temperature range).....+1 ° c to +125 ° c      储存温度范围(storage temperature range).....-55 ° c to +125 ° c      温度系数范围(temperature coefficient over storage temperature range2) .....  $\pm 50$  ppm/ ° c maximum/unit      震动(vibration).....15 g      电刷返回(wiper bounce).....0.1 millisecond maximum      冲击(shock).....50 g      高温负荷寿命(load life).....1,000 hours, 2 watts      总阻变化(total resistance shift).....  $\pm 2\%$  maximum      旋转寿命(rotational life) (no load).....1,000,000 shaft revolutions      总阻变化(total resistance shift).....  $\pm 5\%$  maximum      防潮性(moisture resistance) (mil-std-202, method 103, condition b)      总阻变化(total resistance shift).....  $\pm 2\%$  maximum      防护等级(ip rating)      密封对象 ( sealed versions ) (-3, -4, -7, and -8) .....ip 65      不密封对象(unsealed versions) (-1 -2, -5, and

-6).....ip 40 机械特性(mechanical characteristics) 终端止档强度 (stop strength).....45 n-cm (64 oz.-in.) minimum 机械角度(mechanical angle).....3600 ° +10 ° , -0 ° 扭矩(torque) (starting & running).....0.35 n-cm (0.5 oz.-in.) maximum (unsealed) 1.1 n-cm (1.5 oz.-in.) maximum (sealed) 固定方式(mounting).....55-80 n-cm (5-7 lb.-in.) (plastic) 90-113 n-cm (8-10 in.-lb.) (metal) 轴摆度(shaft runout).....0.13 mm (0.005 in.) t.i.r. 横向摆动(lateral runout).....0.20 mm (0.008 in.) t.i.r. 轴端游隙(shaft end play).....0.25 mm (0.010 in.) t.i.r. 转轴径向跳动(shaft radial play).....0.13 mm (0.005 in.) t.i.r. 引导径向跳动(pilot diameter runout).....0.08 mm (0.003 in.) t.i.r. 侧隙(backlash).....1.0 ° maximum 重量(weight).....approximately 19 g 终端设备(terminals).....solder lugs or pc pins 浸焊条件(soldering condition) 手焊(manual soldering).....96.5sn/3.0ag/0.5cu solid wire or no-clean 活性松香焊锡丝(rosin cored wire); 370 ° c (700 ° f) max. for 3 seconds 波动焊接(wave soldering).....96.5sn/3.0ag/0.5cu solder with no-clean flux; 260 ° c (500 ° f) max. for 5 seconds 清洗过程(wash processes).....not recommended 标记(marketing).....manufacturer ' s name and part number, resistance value and tolerance, linearity tolerance, wiring diagram, and date code. 机械连接(ganging)(multiple section potentiometers).....1 cup maximum 五金器具(hardware).....one lockwasher and one mounting nut is shipped with each potentiometer.

本产品的加工定制是是，品牌是BOURNS/邦思，型号是3590S-2-502L，种类是多圈，用途是精密，材料是线绕，性能是螺杆驱动，阻值调节方式是旋转式，阻值变化方式是独立线性，标称阻值是5k，额定功率是2W（W），阻值允许偏差是±5%（%），滑动噪声是5（V），分辨率是0（%），零位电阻是1（），接触电阻是1（），绝缘电阻是1（M），符合度是100，温度系数是±50ppm/°C