

# 四川启兴电子有限公司

Sichuan Qixing Electronic CO.,LTD

## Specification

Client		
product	model	
3590S-wirewound potentiometers	3590S	
Customer acknowledges		

prepared by: *Shunyou Wang*

examine and verify: *Chunhua DU*

approval: *YangHong*

### 电气特性 (Electrical Characteristics )

标准阻值范围 (Standard Resistance Range)	100 to 100K ohms
阻值允许偏差 (Resistance Tolerance)	±5%
独立线性度 (Independent Linearity)	±0.25%
有效旋转角度 (Effective Electrical Angle)	3600 ° +10 °
最小阻值 (Absolute Minimum Resistance)	≤0.2%R 或 5Ω (取其较大者)
噪音 (Noise)	100 ohms ENR minimum
耐电压 (Dielectric Withstanding Voltage)	500V(DC or AC peak value)
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 Watts
绝缘电阻 (Insulation Resistance) (500V DC)	≥200MΩ
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 range 2)	
	±50ppm/°C maximum/unit
震动 (Vibration)	15G
冲击 (shock)	50G
高温负荷寿命 (Load life)	1000 hours, 2 watts
总阻变化 (Total Resistance shift)	±2% maximum
旋转寿命 (Rotational life) (No Load)	500000 shaft revolutions

总阻变化 (Total Resistance shift)	±5% maximum
防潮性 (Moisture Resistance) (MIL-STD-202, Method 103, Condition B)	
总阻变化 (Total Resistance shift)	±2% maximum

### 机械特性(Mechanical Characteristics)

终端止档强度((Stop Strength).....30N-cm

机械角度(Mechanical Angle).....3600° +10°

扭矩 (torque) (starting & running) .....0.35N-cm(0.5oz.-in.) minimum(unsealed)

### 浸焊条件(Soldering Condition)

手焊(Manual Soldering).....96.5n/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

### Size drawing:

