

 国军标产品 **LMS**

■ 军用电子元器件质量认证合格证书编号 COC-P-142-98  
■ 等效美军标标准 MIL-R-2720 MIL-R-2720 Qualified

**WT22 型线绕预调电位器**  
**WT22 Wirewound trimmer**

国军标产品

■ 适用标准 Applicable specifications

- GJB 917-90 线绕预调电位器总规范
- SJ 20221-92 WT22 型螺杆驱动线绕预调电位器详细规范

■ 电特性 Electrical characteristics

- 标称阻值范围 Range of nominal resistance: 50Ω~10KΩ
- 阻值允许偏差 Resistance tolerance: ±5%
- 终端电阻 Terminal resistance: ±2%R 或 1Ω, 取较大者  
≤2%R 或 1Ω, whichever greater
- 峰值噪声 Peak noise: ≤100μV
- 绝缘电阻 Insulation resistance:  $R_i \geq 1000M\Omega$
- 介电电耐压 Dielectric withstand voltage: 900V<sub>AC</sub>
- 有效电行程 Effective Electrical travel: ≥20 turns

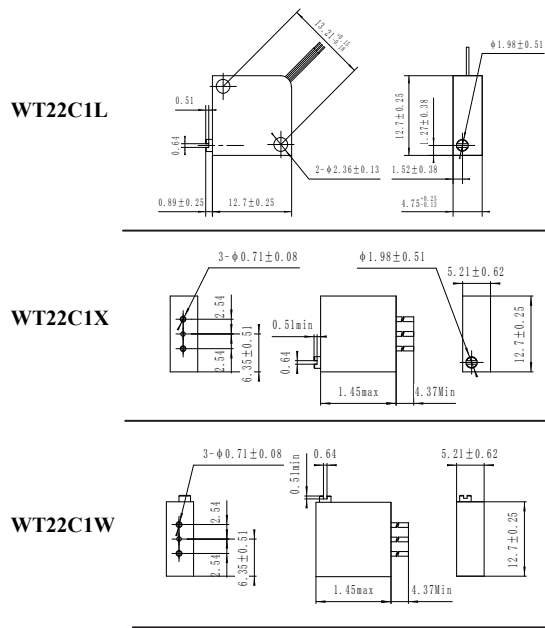
■ 环境特性 Environmental characteristics

- 额定功率 Power rating: 0.75W@75°C; 0W@125°C
- 温度范围 Temperature range: -55°C~+125°C
- 温度系数 TCR:  $\leq \pm 50 \times 10^{-6}/^{\circ}C$
- 耐湿 Moisture proof: RH:90~98%, 24h×10times  
 $\Delta R \leq \pm(1\%R + 0.05\Omega), R_i \geq 100 M\Omega$
- 冲击 Shock: 100g, 18times  
 $\Delta R \leq \pm(1\%R + 0.05\Omega),$   
 $\Delta(U_{ab}/U_{ac}) \leq \pm(1\% + \text{最低分辨率(theoretical resolution)})$
- 高频振动 High frequency vibration  
10~2000Hz, 0.75mm, 20g, 12h  
 $\Delta R \leq \pm(1\%R + 0.05\Omega),$   
 $\Delta(U_{ab}/U_{ac}) \leq \pm(1\% + \text{最低分辨率(theoretical resolution)})$
- 高温寿命 High temperature life  
70±5°C, 0.75W, 1000h;  
 $\Delta R \leq \pm 2\%R,$   
 $\Delta(U_{ab}/U_{ac}) \leq \pm(2\% + \text{最低分辨率(theoretical resolution)})$
- 低温工作 Low temperature operation  
-55°C, 0.75W, 45min;  
 $\Delta R \leq \pm(1\%R + 0.05\Omega),$   
 $\Delta(U_{ab}/U_{ac}) \leq \pm(1\% + \text{最低分辨率(theoretical resolution)})$
- 高温贮存 High temperature exposure: 125°C, 250h  
 $\Delta R \leq \pm(1\%R + 0.05\Omega),$   
 $\Delta(U_{ab}/U_{ac}) \leq \pm(2\% + \text{最低分辨率(theoretical resolution)})$
- 旋转寿命 Rotational life: 200 turns,  
施加额定功率电压; rating power voltage applied  
 $\Delta R \leq \pm 2\%R$
- 浸渍 Immersion: 85°C, 1min; 无连续气泡逸出  
No continuous streams of bubbles emitted

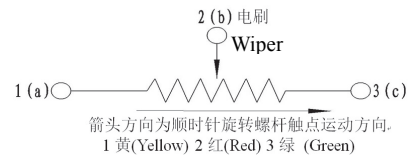
■ 物理特性 Physical characteristics

- 启动力矩 Stating torque  $\leq 35mN \cdot m$
- 标志: 型号、电阻温度系数、温度特性、引出端形式、标称阻值、制造厂商标  
Marking: Type, TCR, characteristic, Terminal shape, Rated resistance, Trade mark of the manufacturer

■ 外形尺寸图 Dimensions



■ 电路图 Circuit diagram



■ 标称阻值表  
Nominal resistance table

阻值(Ω) Resistance
50
100
200
500
1K
2K
5K
10K

■ 订货指南 Ordering information

**WT22-C-1-W-5K-J**

型号 Type—TCR—温度特性 Temperature Characteristics  
—引出端形式 Terminals—标称阻值 Rated Resistance  
—允许偏差 Tolerance