

**J 国军标产品**

■等待证书发放

**WT12 型螺杆驱动线绕预调电位器  
WT12 Lead-screw actuated wirewound trimmer**

**■ 适用标准 Applicable specifications**

- GJB917-90 线绕预调电位器总规范
- SJ20219-92 WT12 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: 47Ω~22KΩ
- 阻值允许偏差 Resistance tolerance: ±5%
- 终端电阻 Terminal resistance ±2%R or 1Ω, 取较大者 ≤2%R or 1Ω, whichever greater
- 峰值噪声 Peak noise ≤1000
- 绝缘电阻 Insulation resistance  $R_i \geq 1000M\Omega$
- 介质耐电压 Dielectric withstand voltage: 900V<sub>AC</sub>
- 有效电行程 Effective electrical travel: 50±5 turns

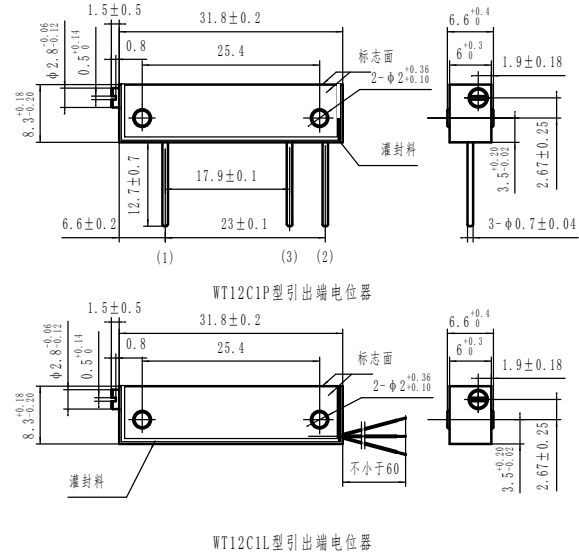
**■ 环境特性 Environmental characteristics**

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

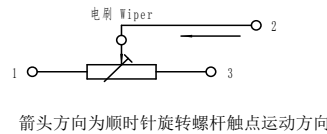
**■ 物理特性 Physical characteristics**

- 启动力矩 Operating torque: ≤56mN·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			
47	220	1.1K	5.6K
51	240	1.2K	6.2K
56	270	1.3K	6.8K
62	300	1.5K	7.5K
68	330	1.6K	8.2K
75	390	1.8K	9.1K
82	430	2K	10K
91	470	2.2K	11K
100	510	2.4K	12K
110	560	2.7K	13K
120	620	3K	15K
130	680	3.3K	16K
150	750	3.9K	18K
160	820	4.3K	20K
180	910	4.7K	22K
200	1K	5.1K	

**■ 订货指南 Ordering information**

**WT12-C-1-P-4K7-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