

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_{AC}
- 有效电行程 Effective electrical travel: 50±5 turns

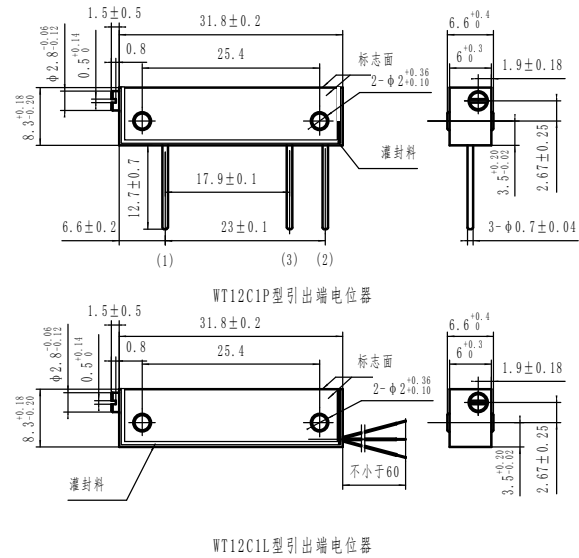
■ 环境特性 Environmental characteristics

- 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 × 10⁻⁶/°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
 $\Delta R \leq \pm(1\%R + 0.05\Omega)$
 $\Delta(U_{ab}/U_{ac}) \leq \pm(1\% + \text{最低分辨力}(\text{theoretical resolution}))$
- 高频振动 High-frequency vibration 10~2000Hz, 0.75mm, 20g, 12h
 $\Delta R \leq \pm(1\%R + 0.05\Omega)$,
 $\Delta(U_{ab}/U_{ac}) \leq \pm(1\% + \text{最低分辨力}(\text{theoretical resolution}))$
- 高温寿命 High temperature life 70±5°C, 0.75W, 1000h;
 $\Delta R \leq \pm 2\%R$,
 $\Delta(U_{ab}/U_{ac}) \leq \pm(2\% + \text{最低分辨力}(\text{theoretical resolution}))$
- 低温工作 Low temperature operation -55°C, 0.75W, 45mins
 $\Delta R \leq \pm(1\%R + 0.05\Omega)$,
 $\Delta(U_{ab}/U_{ac}) \leq \pm(1\% + \text{最低分辨力}(\text{theoretical resolution}))$
- 高温贮存 High temperature exposure: 125°C, 250h
 $\Delta R \leq \pm(1\%R + 0.05\Omega)$,
 $\Delta(U_{ab}/U_{ac}) \leq \pm(2\% + \text{最低分辨力}(\text{theoretical resolution}))$
- 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

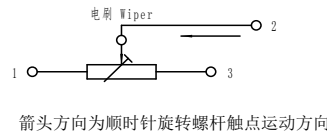
■ 物理特性 Physical characteristics

- 启动力矩 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