

国军标产品

■ 军用电子元器件质量认证合格证书编号
COC-P-143-98

WT24 型线绕预调电位器 WT24 Wirewound trimmer

■ 适用标准 Applicable specifications

- GJB917-90 线绕预调电位器总规范
- SJ20222-92 WT24 型螺杆菌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(Ω):20~5K
- 阻值允许偏差 Resistance tolerance: $\pm 5\%$
- 终端电阻 Terminal resistance: $\leq 2\%R$ 或 1Ω , 取较大者
 $\leq 2\%R$ or 1Ω , whichever greater
- 峰值噪声 Peak noise: $\leq 100\Omega$
- 绝缘电阻 Insulation resistance: $R_i \geq 1G(500V)$
- 介质耐压 Dielectric withstand voltage: $900V_{AC}$,
正常大气压(Atmospheric pressure)
- 有效电行程 Effective Electrical travel: 25 ± 1 turns

■ 环境特性 Environmental characteristics

- 额定功率 Rating Power: $0.75W @ 70^\circ C$, $0W @ 125^\circ C$
- 温度范围 Temperature range: $-55^\circ C \sim +125^\circ C$
- 电阻温度系数 TCR: $\leq \pm 50 \times 10^{-6}/^\circ C$
- 温度冲击 Thermal Shock: $-65^\circ C \sim +125^\circ C$, 5 cycles;
 $\Delta R \leq \pm(1\%R + 0.05\Omega)$, $\Delta(U_{ab}/U_{ac}) \leq \pm 1\%$
- 耐湿 Moisture proof: GJB360A-96, Method 106, 240h
 $\Delta R \leq \pm(1\%R + 0.05\Omega)$, $R_i \geq 100M\Omega$
- 高频振动 High frequency vibration:
GJB360A-96, Method 204
 $\Delta R \leq \pm(1\%R + 0.05\Omega)$, $\Delta(U_{ab}/U_{ac}) \leq \pm 1\%$
- 冲击 Shock: GJB360A-96, Method 213
 $\Delta R \leq \pm(1\%R + 0.05\Omega)$, $\Delta(U_{ab}/U_{ac}) \leq \pm 1\%$
- 高温寿命 High temperature life: $70^\circ C$, $0.75W$, $1000h$;
 $\Delta R \leq \pm 2\%R$, $\Delta(U_{ab}/U_{ac}) \leq \pm 2\%$
- 旋转寿命 Rotational life: 200 cycles;
 $\Delta R \leq \pm 2\%R$
- 高温贮存 High temperature exposure: $125^\circ C$, $250h$;
 $\Delta R \leq \pm(1\%R + 0.05\Omega)$, $\Delta(U_{ab}/U_{ac}) \leq \pm 1\%$
- 低温工作 Low temperature operation: $-55^\circ C$, $0.75W$,
 $\Delta R \leq \pm(1\%R + 0.05\Omega)$, $\Delta(U_{ab}/U_{ac}) \leq \pm 1\%$
- 浸渍 Immersion: GJB360A-96, Method 104
无连续气泡逸出
No continuous streams of bubbles emitted

■ 物理特性 Physical characteristics

- 启动力矩 Starting torque: $\leq 35mN \cdot m$
- 离合器力矩 Clutch Torque:
终端空转 25 圈, 反向调节电气连续。
Idle against the end for 25 turns, no evidence of
electrical discontinuity in reversed direction.
- 重量 Weight: $\leq 1.3g$
- 标志: 商标、型号、阻值、日期代码、电路图
Marking: Code symbol, type, resistance, date code、Circuit Diagram
- 标准包装 Standard package: 100 只/盒, 100pcs/box

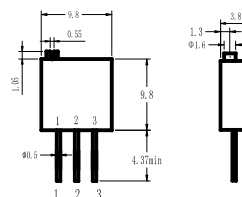
■ 订货指南 Ordering information

WT24—C1—W—2K

型号 Type—特性 Characteristics—引出端形式 Terminal type—标称阻值 Resistance

■ 外形尺寸图 Dimensions

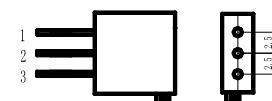
共有尺寸
Common
Dimensions



WT24C1W



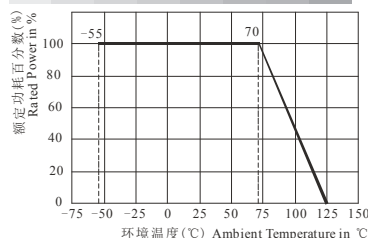
WT24C1X



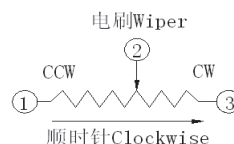
公差: 除注明外均为 ± 0.5

Note: Tolerance is ± 0.5 , unless otherwise specified

■ 降功耗曲线 Derating curve



■ 电路图 Circuit diagram



■ 标称阻值表 Nominal resistance table

阻值(Ω) Resistance	分辨力(%) Resolution
20	1.10
50	0.77
100	0.62
200	0.55
500	0.51
1K	0.37
2K	0.30
5K	0.25