

国军标产品

■ 军用电子元器件质量认证合格证书编号
COC-P-1165-2005

■ 等效美军标标准 MIL-R-22097
MIL-R-22097 Qualified

**WIW24 (3059) 型玻璃釉预调电位器
WIW24 (3059) Cermet trimmer**

■ 适用标准 Applicable specifications

- GJB918-90 非线绕预调电位器总规范
- Q/RU20918.1-2003 WIW24 型玻璃釉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): 100~1M
- 阻值允许偏差 Resistance tolerance: $\pm 10\%$
- 终端电阻 Terminal resistance: $\leq 1\%R$ or 2Ω (取较大者)
 $\leq 1\%R$ or 2Ω , whichever greater
- 接触电阻变化 Contact resistance variation: $CRV \leq 2\%R$
- 绝缘电阻 Insulation Resistance: $R_1 \geq 1G\Omega (500V_{DC})$
- 介质耐电压 Dielectric withstand voltage: 640 V_{AC}
- 极限动触点电流 limiting moving contact current: 100mA
- 有效电行程 Effective Electrical travel: ≥ 25 turns

■ 环境特性 Environmental characteristics

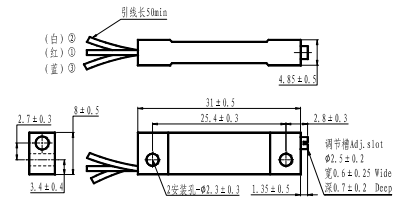
- 额定功率 Rated Power
1W@70°C, 0W@125°C
- 温度范围 Temperature range: -55°C~+125°C
- 电阻温度系数 TCR: $\leq \pm 250 \times 10^{-6}/^{\circ}C$
- 温度冲击 Thermal shock
-65°C~+125°C, 15min, 5times;
 $\Delta R \leq \pm 3\%R$, $\Delta(U_{ab}/U_{ac}) \leq \pm 2\%$
- 冲击 Shock 100g, 6ms;
 $\Delta R \leq \pm 2\%R$; $\Delta(U_{ab}/U_{ac}) \leq \pm 2\%$
- 高频振动 High frequency vibration
(10~2000)Hz, 0.75mm or 10g, (10~55Hz) 6h,
(55~2000Hz), (35±5)min
 $\Delta R \leq \pm 2\%R$, $\Delta(U_{ab}/U_{ac}) \leq \pm 2\%$
- 耐湿 Moisture Resistance
+25°C ~ 65°C, RH:90% ~ 98%, 10times,
24h/times; $\Delta R \leq \pm 10\%R$, $R_1 \geq 100M\Omega$
- 高温寿命 Life (High Temperature)
70°C, 1W, 1000h;
 $\Delta R \leq \pm 10\%R$, $\Delta(U_{ab}/U_{ac}) \leq \pm 2\%$
- 旋转寿命 Rotational life
200turns; $\Delta R \leq \pm 5\%R$
- 高温贮存 High temperature exposure
+125°C (250±8h);
 $\Delta R \leq \pm 12\%R$, $\Delta(U_{ab}/U_{ac}) \leq \pm 2\%$, $R_1 \geq 1G\Omega$
- 低温工作 Low temperature operating
-55°C, $U_{max} 315V$;
 $\Delta R \leq \pm 2\%R$, $\Delta(U_{ab}/U_{ac}) \leq \pm 2\%$
- 浸渍 Immersion
无连续气泡冒出
No continuous stream of bubbles emitted

■ 物理特性 Physical characteristics

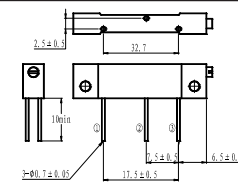
- 启动力矩 Operating torque: $\leq 30mN \cdot m$
- 标志: 型号、阻值、阻值允许偏差代码、生产日期、电路图
Marking: Type, Resistance, Tolerance code, production date, circuit diagram
- 标准包装 Standard package: 100pcs/box

■ 外形尺寸图 Dimensions

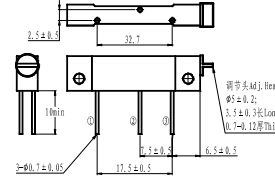
WIW24-3(3059L)



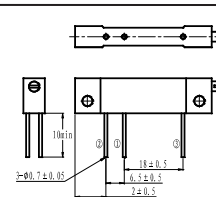
WIW24-1



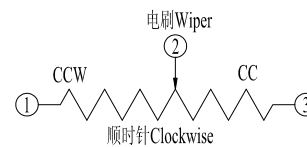
WIW24-2



WIW24-4



■ 电路图 Circuit Diagram



■ 标称阻值表

Nominal resistance table

阻值(Ω) Resistance (in ohms)		
100	5K	200K
200	10K	500K
500	20K	1M
1K	50K	
2K	100K	

■ 订货指南 Ordering information

WIW24 - 1 - 10K - K

型号 Type - 引出端形式 Terminals -

标称阻值 Resistance value - 允许偏差 Tolerance