

- 可提供工业级、军品级产品 both industrial and military level products available
- 多指刷专利号 Patent No. of the multi-finger brush: ZL 96 2 33418.7
- 蜗杆专利号 Patent No. of the worm: ZL 96 2 33418.9
- 适用于电子仪器仪表线路中作微调电阻和分压器使用 used as trimmer and voltage divider in electronic instrument and meters

3296 型玻璃釉预调电位器 3296 Cermet trimmer

■ 适用标准 Applicable specifications

- GB/T 15298-94 电子设备用电位器 第一部分: 总规范
- Q/RU131-1998 3296 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, whichever greater)
- 接触电阻变化 Contact resistance variation:
CRV $\leq 1\%R$ or 3Ω (取较大者, whichever greater)
- 绝缘电阻 Insulation Resistance: $R_i \geq 1G\Omega(100V_{DC})$
- 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: ≥ 19 turns

■ 环境特性 Environmental characteristics

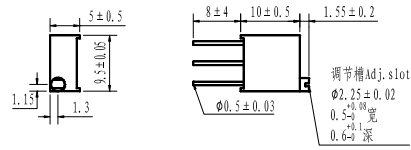
- 额定功率 Rated Power
 $0.5W@70^\circ C, 0W@125^\circ C$
- 温度范围 Temperature range ($^\circ C$): $-55 \sim +125$
- 电阻温度系数 TCR: $\leq \pm 250 \times 10^{-6}/^\circ C$
- 碰撞 Bump: $390m/s^2, 4000times$
 $\Delta R \leq \pm(5\%R + 0.1\Omega)$
- 温度变化 Change of temperature
 $-55^\circ C, 30min, +125^\circ C, 30min, 5 times;$
 $\Delta R \leq \pm(5\%R + 0.1\Omega), \Delta(U_{ab}/U_{ac}) \leq \pm 5\%$
- 振动 Vibration
(10~500)Hz, 0.75mm or 98 $m/s^2, 6h$
 $\Delta R \leq \pm(2\%R + 0.1\Omega); \Delta(U_{ab}/U_{ac}) \leq \pm 3\%$
- 气候顺序 Climate sequence(meet IEC68-2-2 etc.)
 $\Delta R \leq \pm(10\%R + 0.5\Omega), R_i \geq 100M\Omega$
- 电气耐久性 Electrical endurance
 $0.5W, 1000h; \Delta R \leq \pm(10\%R + 0.5\Omega)$
 $\Delta R_{ab} \leq \pm(15\%R + 0.5\Omega), R_i \geq 1G\Omega$
CRV $\leq 3\%R$ or 5Ω (取较大者, whichever greater)
- 机械耐久性 Mechanical endurance
200turns, $\Delta R \leq \pm(10\%R + 0.5\Omega)$
CRV $\leq 3\%R$ or 5Ω (取较大者, whichever greater)
- 稳态湿热 damp heat, steady heat
按 IEC68-2-3(as specified in IEC68-2-3), Ca, 96h
 $\Delta R \leq \pm(10\%R + 0.5\Omega), R_i \geq 100M\Omega$

■ 物理特性 Physical characteristics

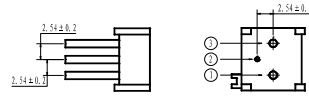
- 总机械行程 Total mechanical travel: (28 ± 2) turns
- 启动力矩 Operating torque: $\leq 35mN \cdot m$
- 标志: 型号、阻值允许偏差 ($\pm 10\%$ 不标注)、阻值代码
Marking: Type, Resistance Tolerance (Tolerance is $\pm 10\%$, unless otherwise specified), Resistance code
- 标准包装 Standard package: 50pcs/tube

■ 外形尺寸图 Dimensions

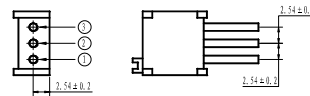
Common Dimensions



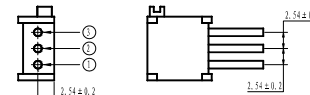
3296P



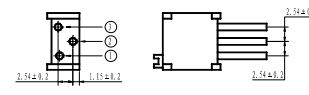
3296W



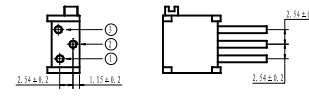
3296X



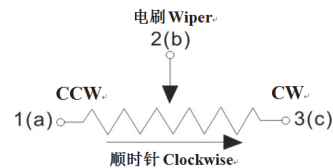
3296Y



3296Z



■ 电路图 Circuit Diagram



■ 标称阻值表

Nominal resistance table

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

■ 订货指南 Ordering information

3296 - W - 103

型号 Type- 引出端形式 Terminals -
标称阻值 Resistance code