

- 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 ( $\Omega$ ): 100~1M
- 阻值允许偏差 Resistance tolerance:  $\pm 10\%$
- 终端电阻 Terminal resistance:  $\leq 1\%R$  or  $2\Omega$   
(取较大者, whichever greater)
- 接触电阻变化 Contact resistance variation:  
CRV $\leq 1\%R$  or  $3\Omega$ (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:  $\geq 19$  turns

#### ■ 环境特性 Environmental characteristics

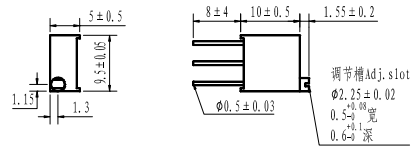
- 额定功率 Rated Power  
 $0.5W@70^\circ C, 0W@125^\circ C$
- 温度范围 Temperature range ( $^\circ C$ ):  $-55 \sim +125$
- 电阻温度系数 TCR:  $\leq \pm 250 \times 10^{-6}/^\circ C$
- 碰撞 Bump:  $390m/s^2, 4000times$   
 $\Delta R \leq \pm(5\%R + 0.1\Omega)$
- 温度变化 Change of temperature  
 $-55^\circ C, 30min, +125^\circ C, 30min, 5 times;$   
 $\Delta R \leq \pm(5\%R + 0.1\Omega), \Delta(U_{ab}/U_{ac}) \leq \pm 5\%$
- 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  $5\Omega$ (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  $5\Omega$ (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

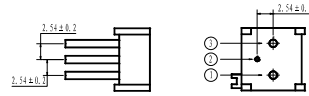
- 总机械行程 Total mechanical travel:  $(28 \pm 2)$  turns
- 启动力矩 Operating torque:  $\leq 35mN \cdot m$
- 标志: 型号、阻值允许偏差 ( $\pm 10\%$ 不标注)、阻值代码  
Marking: Type, Resistance Tolerance (Tolerance is  $\pm 10\%$ , unless otherwise specified), Resistance code
- 标准包装 Standard package: 50pcs/tube

#### ■ 外形尺寸图 Dimensions

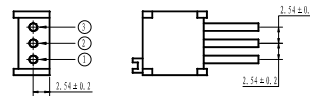
Common Dimensions



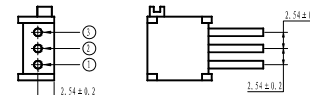
3296P



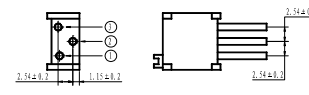
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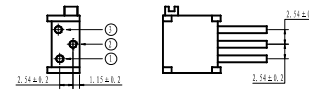
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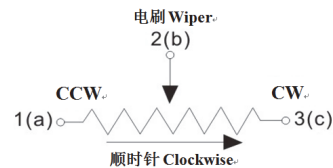
3296Y



3296Z



#### ■ 电路图 Circuit Diagram



#### ■ 标称阻值表

Nominal resistance table

阻值( $\Omega$ ) 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