

■ 军用电子元器件质量认证合格证书编号
COC-P-1166-2005

■ 等效美军标标准 MIL-R-39035
MIL-R-39035 Qualified

3296K 型有可靠性指标的玻璃釉预调电位器 3296K Cermet trimmer, established reliability

■ 适用标准 Applicable specifications

- GJB3015-97 有可靠性指标的非线绕预调电位器总规范
- Q/RU23015.1-2002 3296K 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 rated resistance (Ω): 10~1M
- 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: $CRV \leq 1\%R$
- 绝缘电阻 Insulation Resistance: $R_I \geq 1G\Omega$ (500VDC)
- 介质耐电压 Dielectric withstand voltage: $900V_{AC}$
- 极限动触点电流 limiting moving contact current: $100mA$
- 有效电行程 Effective Electrical travel: ≥ 15 turns

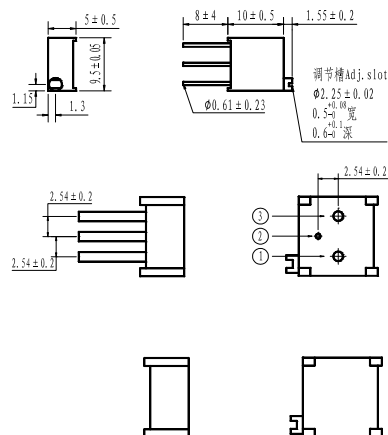
■ 环境特性 Environmental characteristics

- 额定功率 Rated Power
 $0.5W@70^\circ C$, $0W@125^\circ C$
- 温度范围 Temperature range: $-65^\circ C \sim +125^\circ C$
- 电阻温度系数 $TCR: \leq \pm 250 \times 10^{-6} / ^\circ C$
- 温度冲击 Thermal shock
 $-65^\circ C \sim +125^\circ C$, 15min, 5times;
 $\Delta R \leq \pm 3\%R$, $\Delta(U_{ab}/U_{ac}) \leq \pm 1\%$
- 冲击 Shock 100g, 6ms;
 $\Delta R \leq \pm 2\%R$; $\Delta(U_{ab}/U_{ac}) \leq \pm 1\%$
- 高频振动 High frequency vibration
(10~2000)Hz, 0.75mm or 20g, 12h
 $\Delta R \leq \pm 1\%R$, $\Delta(U_{ab}/U_{ac}) \leq \pm 1\%$
- 耐湿 Moisture Resistance
 $+25^\circ C \sim 65^\circ C$, RH: 90%~100%,
20times, 24h/times;
 $\Delta R \leq \pm 5\%R$, $R_{ins} \geq 100M\Omega$
- 高温寿命 Life $70^\circ C$, 0.5W, 10000h;
 $\Delta R \leq \pm 5\%R$, $\Delta(U_{ab}/U_{ac}) \leq \pm 2\%$
- 旋转寿命 Rotational life
200turns; $\Delta R \leq \pm 5\%R$
- 高温贮存 High temperature exposure
 $+125^\circ C$ (1000 \pm 8h);
 $\Delta R \leq \pm 5\%R$, $\Delta(U_{ab}/U_{ac}) \leq \pm 2\%$, $R_I \geq 1G\Omega$
- 低温工作 Low temperature operating
 $-55^\circ C$, $U_{max} 300V$;
 $\Delta R \leq \pm 2\%R$, $\Delta(U_{ab}/U_{ac}) \leq \pm 2\%$
- 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 Starting torque: $\leq 10mN \cdot m$
- 标志: 型号、阻值、生产日期、电路图
Marking: Type, Resistance, production date, circuit diagram
- 标准包装 Standard package: 50pcs/tube

■ 外形尺寸图 Dimensions



■ 标称阻值表

Nominal resistance table

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

■ 订货指南 Ordering information

3296K - W - 10K

型号 Type - 引出端形式 Terminals -

标称阻值 Resistance