

国军标产品 CAST SAST LMS

■ 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: ±10%
- 终端电阻 Terminal resistance: ≤1%R 或 2Ω(取较大者), ≤1%R 或 2Ω, whichever greater
- 接触电阻变化 Contact resistance variation: CRV≤1%R
- 绝缘电阻 Insulation Resistance: $R_i \geq 1G\Omega(500V_{DC})$
- 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: ≥15turns

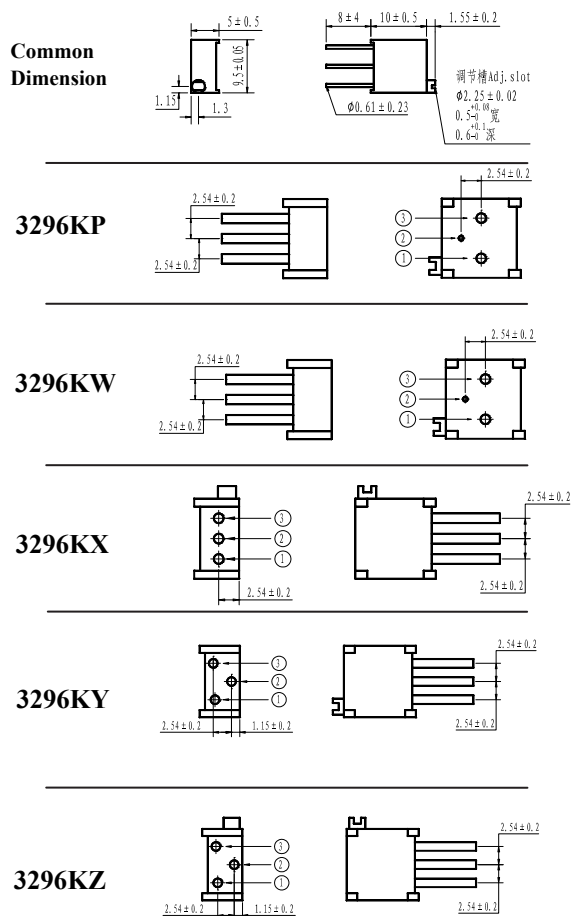
环境特性 Environmental characteristics

- 额定功率 Rated Power
0.5W@70°C, 0W@125°C
- 温度范围 Temperature range: -65°C~+125°C
- 电阻温度系数 TCR: ≤±250×10⁻⁶/°C
- 温度冲击 Thermal shock
-65°C~+125°C, 15min, 5times;
 $\Delta R \leq \pm 3\%R$, $\Delta(U_{ab}/U_{ac}) \leq \pm 1\%$
- 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°C~65°C, RH: 90%~100%,
20times, 24h/times;
 $\Delta R \leq \pm 5\%R$, $R_{ins} \geq 100M\Omega$
- 高温寿命 Life 70°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°C (1000±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°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

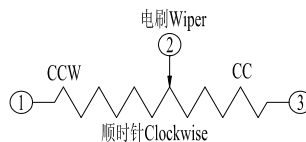
物理特性 Physical characteristics

- 启动力矩 Starting torque: ≤10mN·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



电路图 Circuit Diagram



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