

产品规格书

PRODUCT SPECIFICATIONS

产品名称Product Name	精密电位器
型号Model No	JML3296系列
料号Part NO	6A1001004系列

A. 电位器性能Electrical characteristics

1. 阻值 Resistance	<input type="checkbox"/> 10Ω <input type="checkbox"/> 20Ω <input type="checkbox"/> 50Ω <input type="checkbox"/> 100Ω <input type="checkbox"/> 200Ω <input type="checkbox"/> 500Ω <input type="checkbox"/> 1KΩ <input type="checkbox"/> 2KΩ <input type="checkbox"/> 5KΩ <input type="checkbox"/> 10KΩ <input type="checkbox"/> 20KΩ <input type="checkbox"/> 50KΩ <input type="checkbox"/> 100KΩ <input type="checkbox"/> 200KΩ <input type="checkbox"/> 500KΩ <input type="checkbox"/> 1MΩ <input type="checkbox"/> 2MΩ
2. 阻值偏差 Resistance Tolerance	<input checked="" type="checkbox"/> ±10% <input type="checkbox"/> ±20% <input type="checkbox"/> ±30%
3. 阻值变化特性Resistance Taper	<input type="checkbox"/> A <input checked="" type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> W <input type="checkbox"/> MN
4. 终端电阻Terminal Resistance	≤1%R or 2Ω
5. 接触电阻变化Contact Resistance Variation	≤3%R or 3Ω
6. 绝缘电阻Insulation resistance	$R_1 \geq 1G\Omega$
7. 耐电压Withstand Voltage	101.3 KPa 600V, 8.5Kpa360V
8. 有效电行程Effective Electrical Travel	25±2圈

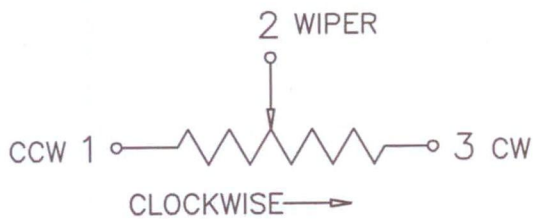
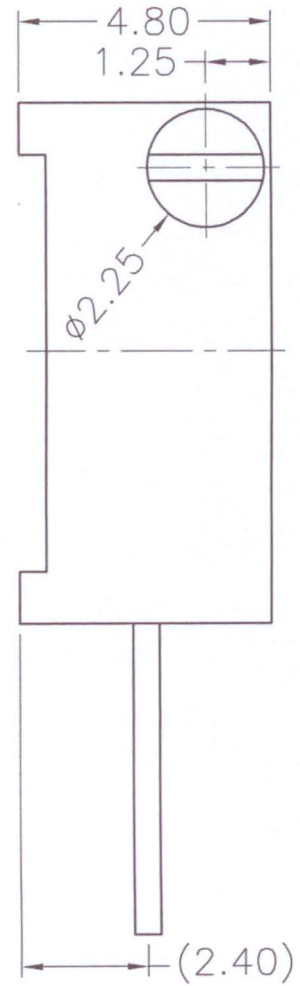
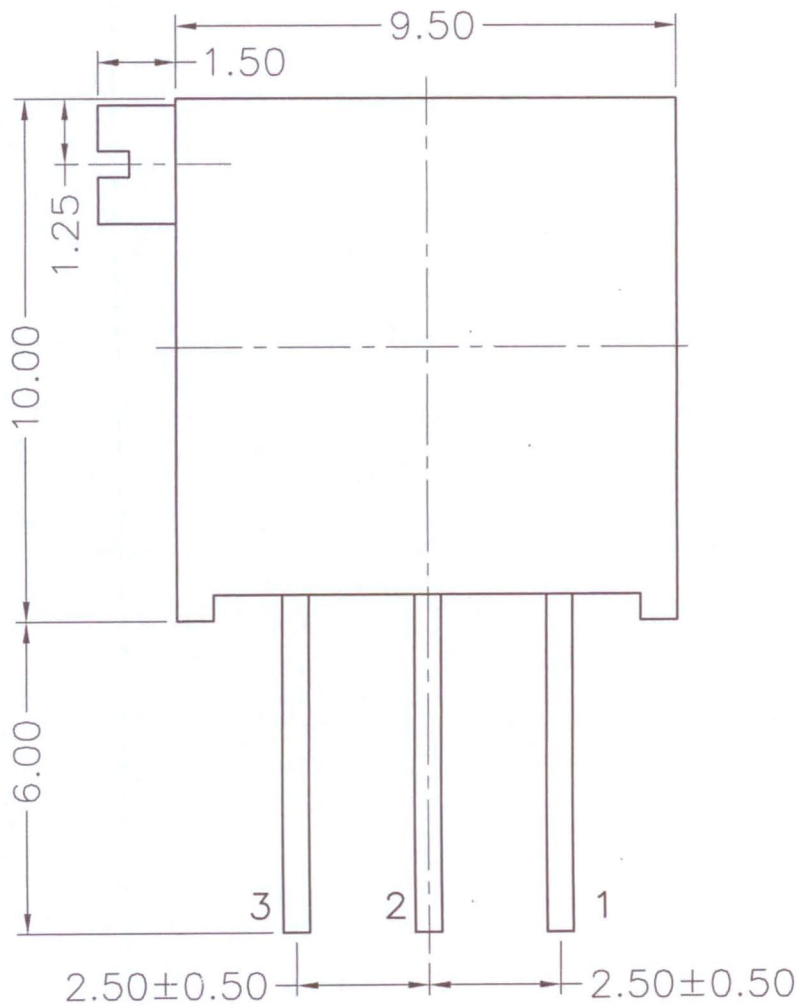
B. 环境特性Environmental Characteristics

1. 额定功率(最高工作电压300V) Rated Power (max. working voltage 300V)	+70°C 0.5W, +125°C 0W
2. 工作温度范围Temperature Range	-55°C ~ +125°C
3. 温度系数TCR	±200ppm/°C
4. 温度变化Temperature Variation	$\Delta R \leq \pm 2\%R$, $\Delta (U_{ab}/U_{ac}) R \leq \pm 2\%$
5. 碰撞Collision	390m/s ² , 4000次, $\Delta R \leq \pm 2\%R$
6. 振动Vibration	10~500Hz, 0.75mm或98m/s ² , 6h $\Delta R \leq \pm 1\%R$, $\Delta (U_{ab}/U_{ac}) \leq \pm 2\%$
7. 气候顺序Climate Category	$\Delta R \leq \pm 3\%R$, $R_1 \geq 100M\Omega$
8. 70°C电气耐久性Electrical Endurance at 70°C	0.5W, 1000h $\Delta R \leq \pm 3\%R$
9. 机械耐久性Mechanical Endurance	50周, $\Delta R \leq \pm 3\%R$
10. 稳态湿热Damp-heat	$\Delta R \leq \pm 3\%R$, $R_1 \geq 100M\Omega$

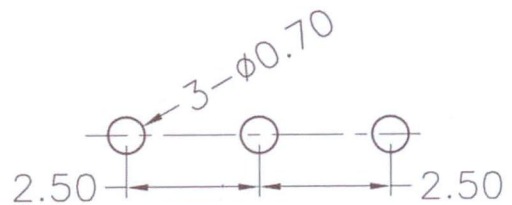
C. 物理特性Physical Characteristic

1. 总机械行程Total Mechanical Travel	28±2圈
2. 起动力矩Starting Torque	≤36mN·m
3. 止档力矩Stop Torque	≥36mN·m
4. 标准包装Standard Packaging	50pcs/管

APPEARANCE DRAWING



CIRCUIT



RECOMMEND PCB LAYOUT



未注公差尺寸	
0~5mm	/±0.3mm
5~10mm	/±0.5mm
10mm以上	/±1.0mm

MODEL NO	3296X			深圳市友兴达电子有限公司	
DRAWN	CHECKED	APPROVED		SHENZHEN YXD ELECTRONICS CO., LTD.	
谭宇林	谭宇林	陈望良	SCALE	DRAWING NO	REV SHEET OF
			7:1	JML-WI-E.WX-006	AO 1/1