

■ 轴的尺寸和轴端可按用户要求供货  
Bespoke shaft dimension and shape available upon request

## WD2202 型精密单圈导电塑料电位器 WD2202 Precision single turn conductive plastic potentiometer

### ■ 适用标准 Applicable specifications

■ GJB1865-94 非线性绕精密电位器总规范

### ■ 电特性 Electrical characteristics

- 标称阻值范围 Range of rated resistance ( $\Omega$ ): 500~20K
- 阻值允许偏差 Resistance tolerance:  $\pm 10\%$
- 独立线性度 Linearity:  $\pm 0.5\%$
- 最低电压 Minimum voltage:  $\leq 0.1\text{V}$
- 输出平滑性 Output smoothness:  $\leq 0.7\%$
- 耐电压 Dielectric withstand voltage: 750V<sub>AC</sub>  
(正常大气压(Atmospheric pressure))
- 电阻体极限电压 Limiting element voltage(V): 300
- 有效电行程 Effective electrical travel:  $355^\circ \pm 2^\circ$
- 总机械行程 Total mechanical travel:  $360^\circ$ 连续

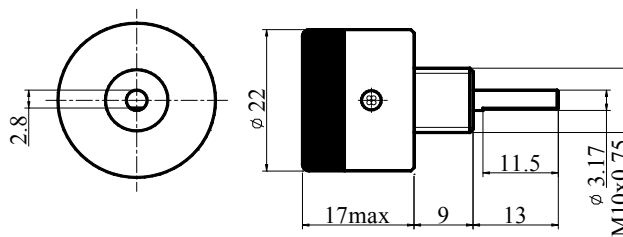
### ■ 环境特性 Environmental characteristics

- 额定功率 Rated power (300Umax)  
0.5W@70°C, 0W@125°C
- 温度范围 Temperature range(°C): -55~+125
- 电阻温度特性 TCR:  $\leq \pm 400 \times 10^{-6}/^\circ\text{C}$
- 高频振动 Vibration: GJB360.15 item  
 $\Delta R \leq \pm 2\%R$
- 冲击 Shock: GJB360.23 item  
应无机机械损伤或电气损伤
- 高温寿命 Electrical endurance:  
70°C, 1000h  
 $\Delta(U_{ab}/U_{ac}) \leq \pm 0.75\%$
- 寿命 Mechanical endurance:  
10000000 cycles;  
 $\Delta R \leq \pm 10\%R$

### ■ 物理特性 Physical characteristics

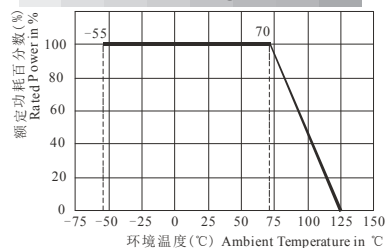
- 启动力矩 Starting torque:  $\leq 1\text{mN}\cdot\text{m}$
- 重量 Weight:  $\leq 25\text{g}$
- 标志: 商标、型号、阻值、日期代码  
Marking: Code symbol, type, resistance, date code
- 安装形式 Mounting: 轴套安装 Bushing Mounted
- 标准包装 Standard package: 20 只/盒, 20pcs/box

### ■ 外形尺寸图 Dimensions

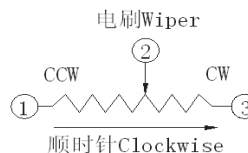


公差按 GB1804-79, Tolerance: as specified in GB1804-79

### ■ 降功耗曲线 Derating



### ■ 电路图 Circuit diagram



### ■ 标称阻值表

Nominal resistance table

阻值 Resistance ( $\Omega$ )
500
1K
2K
5K
10K
20K

### ■ 订货指南 Ordering information

WD2202-5K

型号 Type - 标称阻值 Resistance