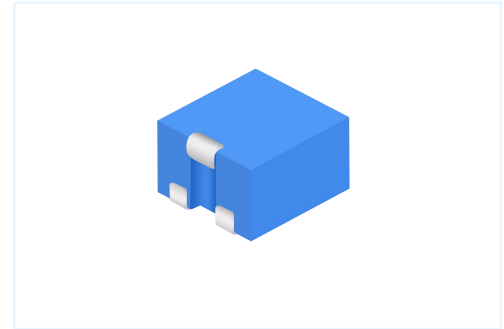


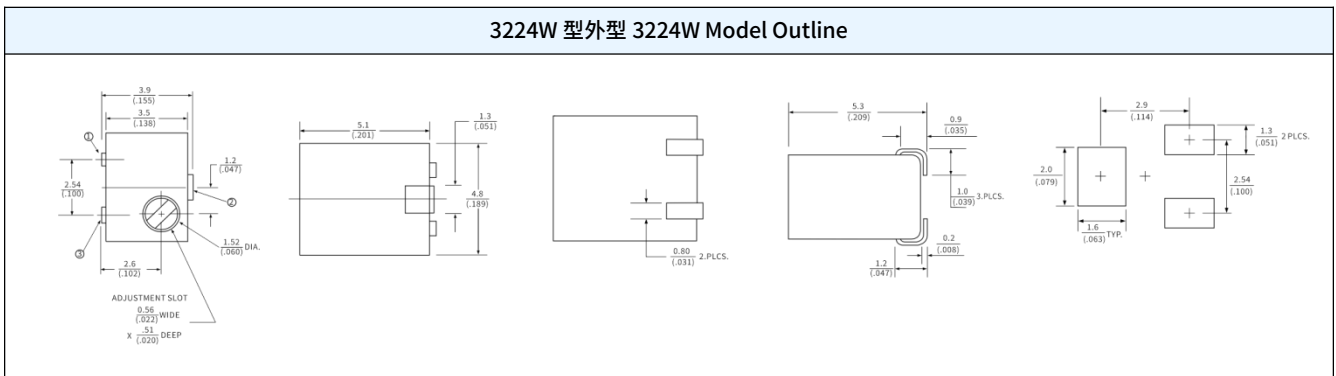
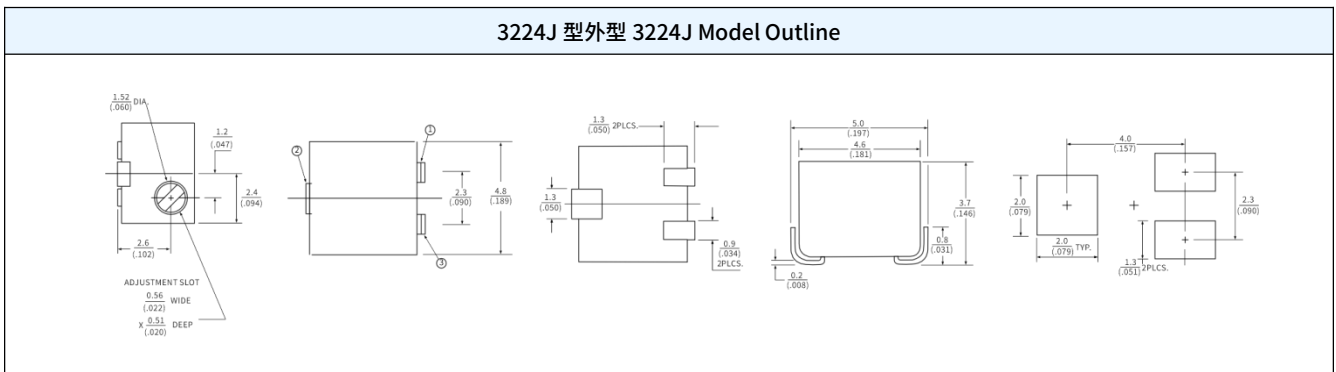
# 3224 series

## 特性 Features

- 额定功率为 0.25 瓦
- Rated power:0.25W
- 多圈调节
- Multi-turn adjustment
- 玻璃釉
- Glass glaze
- 4mm 方形
- 4mm square
- 体表面安装型
- Surface mount type
- 编带包装
- Tape and reel Packaging



## 产品尺寸图及推荐尺寸 Product Series Dimension Drawing & Recommended Sizes



- 公差：除注明外一律为±0.3mm。Tolerance: ±0.3mm unless otherwise specified.

## 物理特性 Physical Characteristics

参数名称 Parameter Name	参数指标 Parameter Specification
总机械行程 Total Mechanical Travel	旋钮空转 Free rotation
起动力矩 Starting Torque	≤18mN.m
工作温度 Operating Temperature Range	-65°C~150°C
标准包装 Standard Packaging	250 只/盘 250 pcs/reel

### ■ 电气特性 Electrical Characteristics

参数名称 Parameter Name	参数指标 Parameter Specification
标称阻值范围 Nominal Resistance Range	10Ω-2MΩ
阻值允许偏差 Resistance Tolerance	±10%
额定功率 (最高工作电压 250V) Rated Power (Max Operating Voltage 250V)	0.25W@85°C; 0W@150°C
最高工作电压 Maximum Working Voltage	300V
电阻温度系数 Temperature coefficient of Resistance	≤ ±100×10 <sup>-6</sup> /K
终端电阻 Terminal Resistance	≤1% R or 2Ω, whichever is greater
接触电阻变化 Contact Resistance Variation	≤1% R or 3Ω, whichever is greater
绝缘电阻 Insulation Resistance	R≥100MΩ (500Vdc)
耐电压 (频率为 40~60Hz 的交流峰值电压) Withstand Voltage (AC peak voltage at 40~60Hz)	101.3KPa 600Vac(1 分钟) 101.3KPa 600Vac(1min)
有效电行程 Effective Electrical Travel	11 圈 11 turns
电阻规律 Resistance Taper	A(直线型) A(Linear)

### ■ 标称阻值对照表 Nominal Resistance Code Table

阻值 Resistance(Ω)	阻值代码 Code	阻值 Resistance(Ω)	阻值代码 Code
10	100	10K	103
20	200	20K	203
50	500	50K	503
100	101	100K	104
200	201	200	204
500	501	500K	504
1K	102	1M	105
2K	202	2M	205
5K	502		

### ■ 产品命名规则 Product Naming Rules

命名规则 Naming Rules			
① <b>3224</b>	-	② <b>W</b>	-
③ <b>1</b>	-	④ <b>103</b>	
↓		↓	↓
系列 Series	规格 Specification	标准品或者订制品标识 Standard or Customized Product Mark	阻值代码 Resistance Code
3224	J	1=标准产品	102
	W	1=standard product	202

■ 产品使用注意事项 Notes on Product Use

3224 产品工作原理：通过调节外部旋钮，驱动转轴转动，从而带动固定在转轴上的动触点（接触簧片）在陶瓷基体表面的电阻体上滑动，通过外部引出端 1、2 或 2、3 获得可以调节的电输出。

1、使用环境温度：-65°C~ 150°C

2、电位器连续工作时，施加电压应不大于额定工作电压;当额定电压超过最高工作电压时，施加电压应不大于最高工作电压。

3、引出端说明：

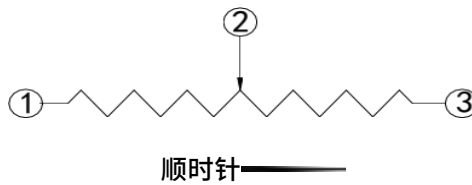
3224 Product Working Principle:

By adjusting the external knob, the rotating shaft is driven to rotate, which in turn drives the moving contact (contact reed) fixed on the shaft to slide on the resistive element on the surface of the ceramic substrate. Adjustable electrical output is obtained through external terminals 1 & 2 or 2 & 3.

1、Operating ambient temperature: -65°C ~ 150°C

2、When the potentiometer is in continuous operation, the applied voltage shall not exceed the rated operating voltage. If the rated voltage exceeds the maximum operating voltage, the applied voltage shall not exceed the maximum operating voltage.

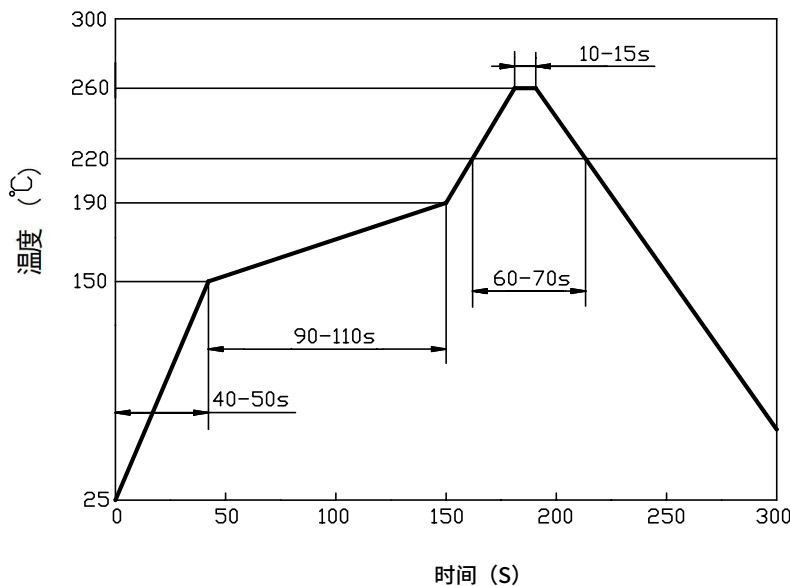
3、Terminal description



图一 引出端说明

■ 焊接条件 Soldering Conditions

再流焊焊接 Reflow Soldering:	温度:(260± 5)°C, 持续时间:(10~ 15)s Temperature: (260 ± 5)°C, Duration: 10~15 s
烙铁焊 Iron Soldering	温度:(320± 5)°C, 持续时间:≤2s Temperature: (320 ± 5)°C, Duration: ≤ 2 s



图二 推荐的再流焊曲线