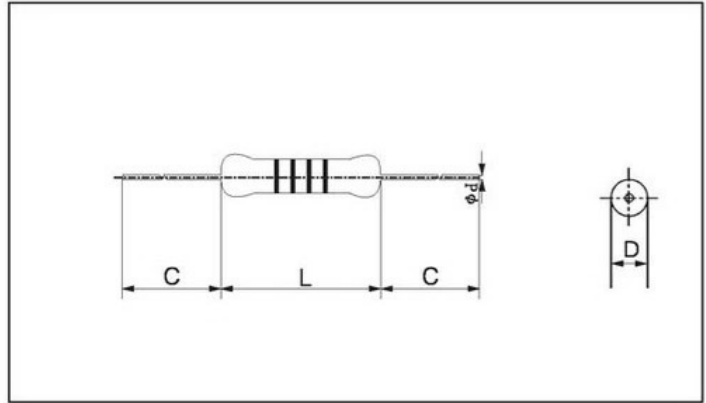


■ 构造图 Construction



■ 特点 Characteristics

- 涂覆型
- 高稳定: $\pm 1.0\%$, 70°C , 1000h
- Coated style
- High stability: $\pm 1.0\%$, 70°C , 1000h

■ 外形尺寸 Dimensions (mm)

尺寸(size)	$L \pm 0.3$	$D \pm 0.3$	$C \pm 2$	$d \pm 0.05$
MC0204	4.20	1.5	27	0.50
MC0207	7.0	2.4	26	0.60

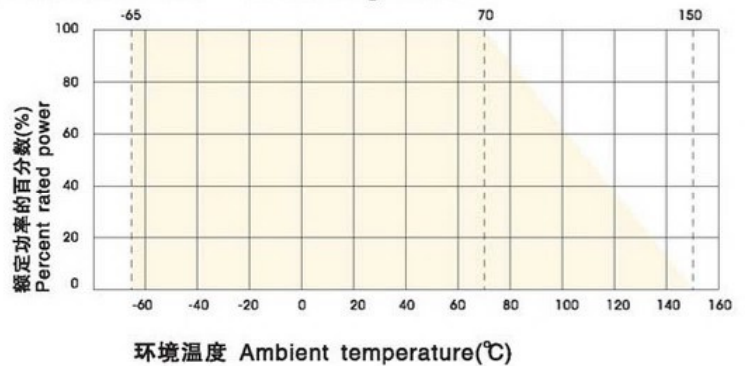
■ 应用范围 Applications

MC系列电阻器为轴向引线结构、涂覆绝缘性涂料,色环标识,具有体积小、精度高、温度系数小、阻值稳定等特点,且产品性价比高,广泛应用于工控仪表。

■ 执行标准 Reference Standards

- GJB1929-1994 高稳定薄膜固定电阻器总规范
- Q/BDS 008-2005 MC型高稳定金属膜固定电阻器详细规范

■ 降功耗曲线 Derating Curve



■ 技术说明 Technical Specifications

型号 Type	70 $^{\circ}\text{C}$ 额定功率(W) Power Rating at 70 $^{\circ}\text{C}$	最大工作电压 Max Working Voltage (V)	阻值范围 Resistance Range (Ω)	精度范围 Absolute Tolerance	温度系数范围 TCR ($10^{-6}/\text{K}$)
MC0204	1/6	200	20~1M Ω	B($\pm 0.1\%$), C($\pm 0.25\%$), D($\pm 0.5\%$),	C3(± 25), C2(± 50),
MC0207	1/4	250	10~2M Ω	F($\pm 1.0\%$), G($\pm 2.0\%$), J($\pm 5.0\%$)	C1(± 100)

性能指标 Performance

试验项目 Test Item	标准要求 Standards	试验方法 Test Method
过载 Short Time Overload	$\leq \pm(0.5\%R+0.05\Omega)$	2.5倍额定电压,最大电压不超过2倍极限电压,5s
温度冲击 Temperature shock	$\leq \pm(0.5\%R+0.05\Omega)$	-65°C~150°C,5次循环,0.5h
低温工作 Low temp. Operation	$\leq \pm(0.5\%R+0.05\Omega)$	-65°C,1h,额定电压不超过200V,45min
介质耐压 Dielectric Strength	$\leq \pm(0.5\%R+0.05\Omega)$	450V,1min,100v/s
耐焊接热 Resistance to Solder	$\leq \pm(0.5\%R+0.05\Omega)$	350°C,3s
耐湿 Resistance to moisture	$\leq \pm(1.5\%R+0.05\Omega)$	-10°C~65°C,RH80~98%,240h
寿命 Load life	$\leq \pm(1.0\%R+0.05\Omega)$	70°C, Pe,1000h
冲击 Shock	$\leq \pm(0.5\%R+0.05\Omega)$	980m/s ² ,6ms
振动 Vibration	$\leq \pm(0.5\%R+0.05\Omega)$	10~2000Hz,0.75mm,150m/s ²

产品精度、温度系数与阻值范围对照表

Electrical data-Tolerance, TCR & Resistance range

型号 Type	温度系数 TCR (10 ⁻⁶ /K)	阻值范围 Resistance Range					
		±0.1%	±0.25%	±0.5%	±1.0%	±2.0%	±5.0%
MC0204	25	20R~1M0	20R~1M0	20R~1M0	20R~1M0	20R~1M0	20R~1M0
	50	20R~1M0	20R~1M0	20R~1M0	20R~1M0	20R~1M0	20R~1M0
	100	20R~1M0	20R~1M0	20R~1M0	20R~1M0	20R~1M0	20R~1M0
MC0207	25	10R~2M0	10R~2M0	10R~2M0	10R~2M0	10R~2M0	10R~2M0
	50	10R~2M0	10R~2M0	10R~2M0	10R~2M0	10R~2M0	10R~2M0
	100	10R~2M0	10R~2M0	10R~2M0	10R~2M0	10R~2M0	10R~2M0

订货示例 How To Order

例如 Example

MC	0204	1/6W	10R	±0.1%	±2(10 ⁻⁶ /K)	塑料袋 Plastic bags
产品型号 Type	类型 Style	功率 Power	标称阻值 Nominal Value	精度 Tolerance	温度系数 TCR	包装方式 Packaging
MC	0204 0207	1/6W 1/4W	10R	±0.1% ±0.25% ±0.5% ±1.0% ±2.0% ±5.0%	±25(10 ⁻⁶ /K) ±50(10 ⁻⁶ /K) ±100(10 ⁻⁶ /K)	塑料袋500只 plastic bags 500 pieces 编带1000只 tape available for 1000 pieces

包装说明: 包装塑料自封袋包装(起订量30只)。

Packaging: Plastic recloseable bags (moq: 30pcs)。