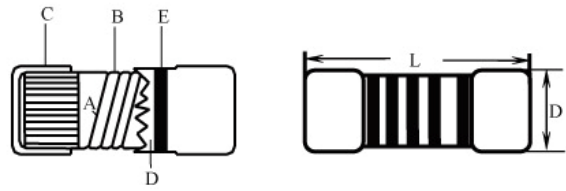




●特点 Features:

- 1、低温度系数、精度高、性能好。Low temperature coefficient, high precision, good high frequency performance.
- 2、使用环境温度: Operating ambient temperatur: $-55^{\circ}\text{C} \sim +155^{\circ}\text{C}$.
- 3、真空溅射金属皮膜, 涂层为蓝色环氧树脂, 防水性好。Film the metal in Vacuum, the surface coats blue resin with the good waterproof.
- 4、阻值误差 Resistance tolerance: $\pm 0.1\%$ 、 $\pm 0.25\%$ 、 $\pm 0.5\%$ 、 $\pm 1\%$ 、 $\pm 5\%$.

●产品结构图 Construction Drawing:



- A、高热传导瓷芯 High heat exchanged Ceramic core.
- B、高稳定性电导膜 High stability Electric conduction film.
- C、铁帽 Iron Cap.
- D、环氧树脂涂料 Epoxy resin coating.
- E、色环 Color Ring.

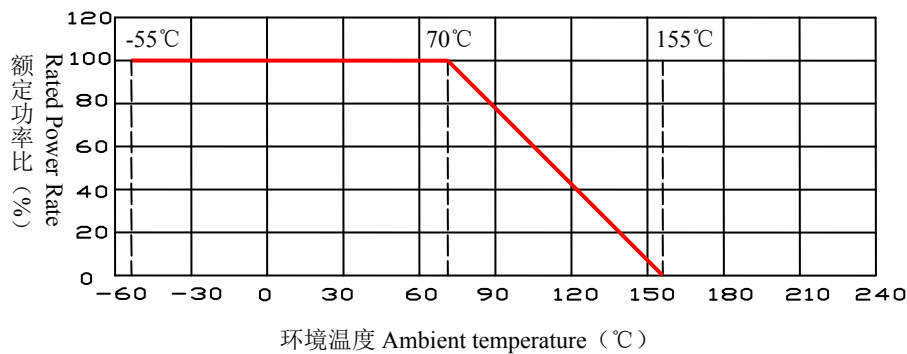
●规格尺寸及耐压性能 Dimensions and Voltage Performance:

料号 Part No.	规格 Type	功率 Power	阻值范围 Resistance range	尺寸 Dimensions		最大工作电压 Max. working voltage	最大负荷电压 Max.overload voltage	最高脉冲电压 Max.Pulse voltage	最高绝缘电压 Max.insulation voltage
				L ± 05	D ± 05				
MEF020414	0204	1/4W	1R~10M	35	13	250V	500V	300V	300V
MEF020412	0204	1/2W	1R~10M	35	13	250V	500V	500V	500V
MEF020712	0207	1/2W	1R~10M	57	21	300V	600V	600V	600V
MEF02071S	0207	1W	1R~10M	60	21	350V	700V	700V	700V
MEF04112S	0411	2W	1R~10M	87	3.1	400V	800V	800V	800V

备注: a、额定电压=错误! 未找到引用源。 ;
b、当计算得出的额定电压大于无件极限电压, 使用时取二者较小值。

Note a、Rated voltage V=错误! 未找到引用源。 ;
b、If the calculated rated voltage is higher than the max. working voltage, it will be got the lower value.

● 额定功率递减图 Rated Power Derating Curve:



● 性能测试 Performance Test:

测试项目 Test Item	测试条件 Test Condition	性能 Performance
温度系数 Temperature coefficient	在常温及常温+100℃时分别测量电阻并计算每度的阻值变化率。Test the resistance value at normal temperature and normal temperature added 100℃, calculate per℃ resistance value change rate .	$\pm 5\sim 50\text{ppm}/^\circ\text{C}$
短时间过负荷 Short time overload	施加 2.5 倍额定电压或最高负荷电压 (取较小者) 5 秒。 2.5 × rated voltage or Max.overload voltage (get the lower) for 5 seconds.	$\Delta R \leq \pm (0.5\%R_0 + 0.05 \Omega)$
断续过负荷 Pulse overload	4 倍额定电压或最高断续负荷电压 (取较小者) 测试 1 秒, 停止 25 秒, 循环 10000±200 次。At 4 × rated voltage or Max. pulse overload voltage (get the lower) cycle 10000±200 times(1 second on, 25 seconds off).	$\Delta R \leq \pm (1\%R_0 + 0.05 \Omega)$
耐焊接热 Resistance to soldering heat	在 350±10℃锡炉中浸入 2~3 秒。 Immerge into 350±10℃ tin stove for 2~3 seconds.	$\Delta R \leq \pm (0.5\%R_0 + 0.05 \Omega)$
可焊性 Solderability	在 245±3℃锡炉中浸入 2~3 秒。 Immerge into 245±3℃ tin stove for 2~3 seconds.	焊锡面积覆盖 95%以上 The area of soldering is over 95%
温度循环 Temperature cycling	在-55℃时放置 30 分钟, 然后在+25℃时放置 10~15 分钟, 然后再在+125℃时放置 30 分钟, 然后在+25℃时放置 10~15 分钟, 共循环 5 次。 At -55℃ for 30 min, then at +25℃ for 10~15 min, then at +125℃ for 30 min, then at +25℃ for 10~15 min, total 5 cycles.	$\Delta R \leq \pm (0.5\%R_0 + 0.05 \Omega)$
耐湿负荷寿命 Load life in humidity	在温度为 40±2℃, 相对湿度为 90~95%的恒温恒湿箱中, 施加额定电压或最大工作电压 (取较小者) 共 1000 小时 (通 1.5 小时, 断 0.5 小时)。Overload rated voltage or Max.working voltage (get the lower) for 1000 hours (1.5 hours on and half-hour off) at the 40±2℃ and 90~95% relative humidity.	$\Delta R \leq \pm (2\%R_0 + 0.05 \Omega)$
耐温负荷寿命 Load life in heat	在 70±2℃恒温恒湿箱中施加额定电压或最大工作电压 (取较小者) 1000 小时 (通 1.5 小时, 断 0.5 小时)。Overload rated voltage or Max.working voltage (get the lower) for 1000 hours (1.5 hours on and half-hour off) at the 70±2℃.	$\Delta R \leq \pm (2\%R_0 + 0.05 \Omega)$

 贴片类
 CHIP RESISTORS

● 料号规则 Part No.Regulation:

MEF	0204	14	F	F	3	100R0
产品名称 Product Name	尺寸 Size	功率 Power	精度 Tol.	T,C,R.	包装 Paking	阻值 Ohm
圆柱形金属膜贴片电阻器 MELF Resistors	0204 0207 0411	14=1/4W 12=1/2W 1B=1W 2B=2W	B=±0.1% C=±0.25% D=±0.5% F=±1% J=±5%	A=±5PPM B=±10PPM C=±15PPM D=±20PPM E=±25PPM F=±50PPM H=±100PPM	2=2KPCS 3=3KPCS 6=6KPCS 9=9KPCS	100K0=100KΩ 1M000=1MΩ 39M00=39MΩ 1M000=1MΩ