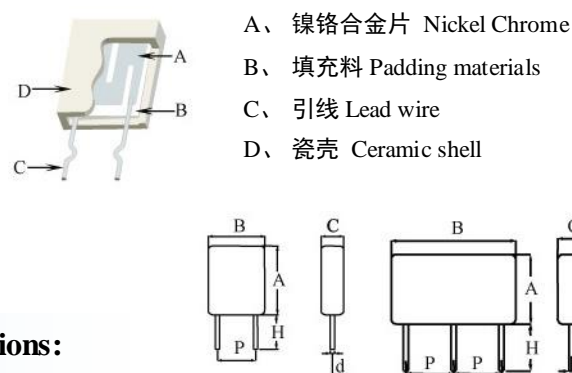


●特点 Features:

- 1、耐热性好、温度系数小、噪声低、负荷功率大 Good heat-durability and low temperature coefficient, low noise, high overload power.
- 2、使用环境温度 Operating ambient temperature:-55℃~+275℃.
- 3、低电感 Low inductance
- 4、精度范围在 Resistance tolerance: ±5%、±10%

●产品结构图 Structural Drawing:



●E型直脚尺寸 E Frank Forming Type Dimensions:

料号 Part No.	功率 Power	阻值范围 Resistance range	尺寸 Dimensions (mm)						最大工作电压 Max. working Voltage	最大负荷电压 Max. overload Voltage	最高绝缘电压 Max. insulation Voltage
			A±.5	B±.5	C±.5	H±.5	P±.5	d±0.05			
MPR02B	2W	0R01~2R2	8.5	14.0	5.0	4~18	9.0	0.75	100V	100V	800V
MPR03B	3W	0R01~2R2	13.0	14.0	5.0	4~18	9.0	0.75	100V	100V	800V
MPR05B	5W	0R01~2R7	18.0	14.0	5.0	4~18	9.5	0.75	150V	150V	1000V
MPR07B	7W	0R01~2R7	18.0	14.0	5.0	4~18	9.5	0.75	150V	150V	1000V
MPR10B	10W	0R01~4R7	17.0	26.0	5.0	4~18	20.0	0.75	300V	300V	1000V
MPR2B2	2W+2W	0R01~4R7	10.0	26.0	5.0	4~18	10.0	0.75	200V	200V	1000V
MPR3B3	3W+3W	0R01~4R7	13.0	26.0	5.0	4~18	10.0	0.75	250V	250V	1000V
MPR5B5	5W+5W	0R01~4R7	17.0	26.0	5.0	4~18	10.0	0.75	300V	300V	1000V
MPR7B7	7W+7W	0R01~4R7	20.0	26.0	5.0	4~18	10.0	0.75	350V	350V	1000V
MPR5B5	5W+5W(EA型)	0R01~4R7	14.0	26.0	8.0	4~18	10.0	0.75	350V	350V	1000V

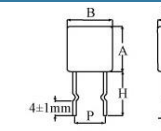
●E型弯脚尺寸 E Bend Forming Type Dimensions:

料号 Part No.	功率 Power	阻值范围 Resistance range	尺寸 Dimensions (mm)						最大工作电压 Max. working Voltage	最大负荷电压 Max. overload Voltage	最高绝缘电压 Max. insulation Voltage
			A±.5	B±.5	C±.5	H±.5	P±.5	d±0.05			
02B	2W	0R01~2R2	8.5	14.0	5.0	13.0	9.0	0.75	100V	100V	800V
03B	3W	0R01~2R2	13.0	14.0	5.0	13.0	9.0	0.75	100V	100V	800V
05B	5W	0R01~2R7	18.0	14.0	5.0	13.0	9.5	0.75	150V	150V	1000V
07B	7W	0R01~2R7	18.0	14.0	5.0	13.0	9.5	0.75	150V	150V	1000V
10B	10W	0R01~4R7	17.0	26.0	5.0	13.0	20.0	0.75	300V	300V	1000V
2B2	2W+2W	0R01~4R7	10.0	26.0	5.0	13.0	10.0	0.75	200V	200V	1000V
3B3	3W+3W	0R01~4R7	13.0	26.0	5.0	13.0	10.0	0.75	250V	250V	1000V
5B5	5W+5W	0R01~4R7	17.0	26.0	5.0	13.0	10.0	0.75	300V	300V	1000V
7B7	7W+7W	0R01~4R7	20.0	26.0	5.0	13.0	10.0	0.75	350V	350V	1000V
5B5	5W+5W(EA型)	0R01~4R7	14.0	26.0	8.0	13.0	10.0	0.75	350V	350V	1000V

●EC型直脚尺寸 EC Frank Forming Type Dimensions:

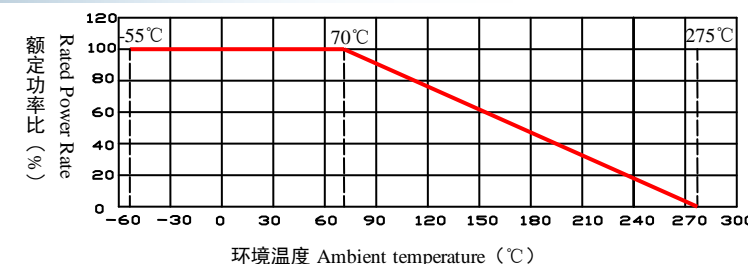
料号 Part No.	功率 Power	阻值范围 Resistance range	尺寸 Dimensions (mm)						最大工作电压 Max. working Voltage	最大负荷电压 Max. overload Voltage	最高绝缘电压 Max. insulation Voltage
			A±.5	B±.5	C±.5	H±.5	P±.5	d±0.05			
05B	5W	0R01~2R7	18.0	16.0	8.5	4~18	10	0.75	150V	150V	1000V

●EC型弯脚尺寸 EC Bend Forming Type Dimensions:



料号 Part No.	功率 Power	阻值范围 Resistance range	尺寸 Dimensions (mm)						最大工作电压 Max. working Voltage	最大负荷电压 Max. overload Voltage	最高绝缘电压 Max. insulation Voltage
			A±.5	B±.5	C±.5	H±.5	P±.5	d±0.05			
05B	5W	0R01~2R7	18.0	16.0	8.5	13.0	10	0.75	150V	150V	1000V

●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℃时分别测量电阻值并计算每度的阻值变化率。Test the resistance value at normal temperature added 100℃, calculate per °C resistance value rate.	±350ppm/°C
短时间过负荷 Short time overload	2~4W 施加 5 倍额定功率的电压 (√5PR), 5~10W 施加 10 倍额定功率的电压 (√5PR) 或最高负荷电压 (取较小者) 5 秒。 2~4W: According 5 times rated power to account the voltage (√5PR), 5~10W: According 10 times rated power to account the voltage (√5PR) or max. overload voltage (get the lower) for 5 seconds.	ΔR≤± (2%R ₀ +0.05Ω)
耐焊接热 Resistance to soldering heat	在 350±10℃ 的锡炉中浸入 2~3 秒。Immerge into the 350±10℃ tin stove for 2~3 seconds.	ΔR≤± (1%R ₀ +0.05Ω)
可焊性 Solderability	在 260±5℃ 的锡炉中浸入 2~3 秒。Immerge into the 260±5℃ tin stove for 2~3 seconds.	焊锡面积覆盖 95% 以上 The soldering area is over 95%
温度循环 Temperature cycling	在-55℃时放置 30 分钟, 然后再+25℃时放置 10~15 分钟, 然后再在+275℃时放置 30 分钟, 然后再在+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 +275℃ for 30 min, then at +25℃ for 10~15 min, total 5 cycles.	ΔR≤± (1%R ₀ +0.05Ω)
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-hours off) at the 40±2℃ and 90~95% relative humidity.	ΔR≤± (5%R ₀ +0.05Ω)
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-hours off) at the 70±2℃.	ΔR≤± (5%R ₀ +0.05Ω)
不燃性 Nonflammability	分别按 5、10、16 倍额定功率加交流负荷 5 分钟。Respectively load AC voltage by 5, 10, 16 times rated power for 5 min.	不可有明显火焰 No visible flame

●料号规则 Part No. Regulation:

MPR	05B	J	0	E001	1R100
产品名称 Product Name	功率 Power	精度 Tol.	特殊码 Special Code	成型 Forming	阻值 Ohm
金属片无感水泥电阻器 Metal plate non-inductive cement resistors	02B=2W 03B=3W 05B=5W	07B=7W 2B2=2W+2W 3B3=3W+3W	J=±5% K=±10%	E001=E7 E002=E13-4 E003=EC	0R100=0.1Ω 1R000=1Ω 4R700=4.7Ω

水泥类
CEMENT RESISTORS

水泥类
CEMENT RESISTORS