

●特点 Features:

- 1、阻值低，最低电阻可以达到 0.005Ω。Lower resistance value,the least can be meet 0.005Ω.
- 2、使用环境温度: Operating ambient temperature: -55℃~+155℃
- 3、可根据客户要求制作特殊成型。Can be according to customers requirement to forming the special type.
- 4、阻值误差 Resistance tolerance:±1%、±5%、±10%。

●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 .	±5~50ppm/℃
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 260±5℃锡炉中浸入 2~3 秒。Immerge into 260±5℃ 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℃.	$\Delta R \leq \pm (2\%R_0 + 0.05\Omega)$

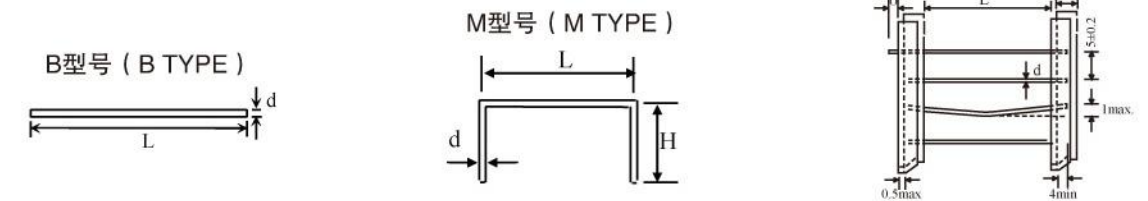
●料号规则 Part No. Regulation:

HMR	CN	045	B34	J	0R005
产品名称 Product Name	材料 Materials	线径 Dia.	成型 Forming	精度 Tol.	阻值 Ohm
毫欧电阻 Milliohm Resistors	CM:锰铜 Manganin NC:镍铬 Nickel chrome TG:铁铬 Iron chrome BX:扁线 Flat wire MT:镀锡锰铜 Tinned CM NT:镀锡镍铬 Tinned NC TT:镀锡铁铬 Tinned TG CN:康铜 Copper&nickel alloy	045=0.45 100=1.00 (unit:mm)	B34: Axial of 34mm	F=±1% J=±5% K=±10%	0R005=5mΩ 0R010=10mΩ 0R100=100mΩ



●特点 Features:

- 1、阻值低于 0.03Ω。The resistance value is lower than 0.03Ω.
- 2、是电路板间理想的连接元件。It is perfect connection for PCB.



●成型尺寸 Forming Type Dimensions:

成型 Forming Type	尺寸 Dimensions(mm)		
	L±1	H±1	d±0.05
T52	52		0.45~0.58
T26	26		0.45~0.58
B	1~60		0.45~1.00
M	3~40	5 或 8	0.45~1.00

●性能测试 Performance Test:

测试项目 Test Item	性能 Performance
最大阻值 Max.Resistance value	0.03Ω
导线材料 Lead Wire Material	镀锡铜线或镀锡 CP 线 Tinned copper wire or Tinned CP wire
抗张强度 Tensile strength	0.34~1.40mm:20~28KG/mm <sup>2</sup>
伸长率 Elongate rate	0.34~1.40≥22%
弯折性 Flex fold character	Dia.≤0.6mm:≥250g 3 次; Dia.≥0.60mm:≥500g 3 次
可焊性 Solderability	在 260±5℃锡炉中浸入 2~3 秒，焊锡面积覆盖率 95%以上 Immerge into the 260±5℃ tin stove for 2~3 seconds,the soldering area is over 95%
耐热性 Resistance to soldering heat	耐热 180℃/1H 无变色现象 The tin color wouldn't be changed 180℃ for 1Hour

●料号规则 Part No. Regulation:

JUM	100	0	0	B100	0R000
产品名称 Product Name	线径 Dia.	精度 Tol.	特殊码 Special Code	成型 Forming	阻值 Ohm
跳线 Jump Wire JUM: 镀锡铜线 Tinned copper wire CJU:镀锡 CP 线 Tinned CP wire	100=Φ1.0 0.78=Φ0.78 0.50=Φ0.5 (unit:mm)	0: normal		B100=B10 B150=B15 M027=M5×4 M061=M8.5×4 M070=M10×8 M076=M11×8 (Unit:mm)	0R000=0Ω