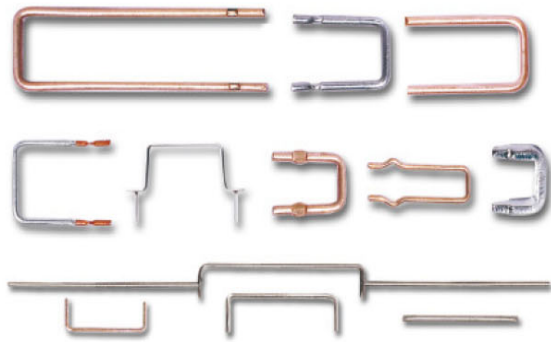




●特点 Features:

- 1、阻值低，最低阻值可以达到0.005Ω。Lower resistance value, the least can be meet 0.005Ω.
- 2、使用环境温度 Operating ambient temperature: -55℃~+125℃
- 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	于常温及常温+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 and normal temperature added 100℃, calculate per ℃ resistance value change rate.	±100ppm/℃
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.	$\Delta R \leq \pm 0.5\%R_0$
可焊性 Solderability	在245±3℃锡炉中浸入2~3秒。 Immerge into the 245±3℃ tin stove for 2~3 seconds.	焊锡面积覆盖率95%以上 The soldering area is over 95%
温度循环 Temperature cycling	在-55℃时放置30分钟，然后在+25℃时放置10~15分钟，然后在+155℃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 +155℃ for 30 min, then at +25℃ for 10~15 min, total 5 cycles.	$\Delta R \leq \pm 0.5\%R_0$
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.	$\Delta R \leq \pm 2\%R_0$
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℃.	$\Delta R \leq \pm 2\%R_0$

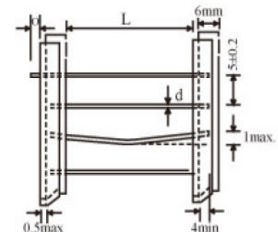
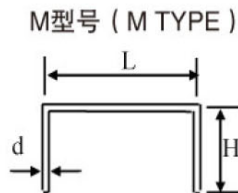
●料号规则 Part No. Regulation:

HMR	CN	045	B34	J	0R005
产品名称 Product Name	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 = Φ0.45 100 = Φ1.00 (unit = mm)	B34: Axial of 34mm	F: ±1% J: ±5% K: ±10%	0R005 = 5mR 0R010 = 10mR 0R100 = 100mR



●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 Dimensions:

成型 Forming Type	尺寸 Dimensions (mm)		
	$L \pm 1$	$H \pm 1$	$d \pm 0.05$
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	$0.34 \sim 1.40\text{mm}: 20 \sim 28\text{KG/mm}^2$
伸长率 Elongate rate	$0.34 \sim 1.40: \geq 22\%$
弯折性 Flex fold character	Dia. $\leq 0.60\text{mm}: \geq 250\text{g}$ 3次; Dia. $\geq 0.60\text{mm}: \geq 500\text{g}$ 3次
可焊性 Solderability	在 $245 \pm 3^\circ\text{C}$ 锡炉中浸入2~3秒, 焊锡面积覆盖率95%以上。 Immerge into the $245 \pm 3^\circ\text{C}$ tin stove for 2~3 seconds, the soldering area is over 95%.
耐热性 Resistance to soldering heat	锡耐热 $180^\circ\text{C}/1\text{H}$ 无变色现象 The tin color wouldn't be changed at 180°C for 1 Hour.

●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	100 = $\Phi 1.0$ 078 = $\Phi 0.78$ 050 = $\Phi 0.5$ (unit = mm)	0: normal		B100 = B10 B150 = B15 M027 = $M5 \times 4$ M061 = $M8.5 \times 4$ M070 = $M10 \times 8$ M076 = $M11 \times 8$ (Unit = mm)	0R000 = 0Ω
JUM: 镀锡铜线 Tinned copper wire CJU: 镀锡CP线 Tinned CP wire					