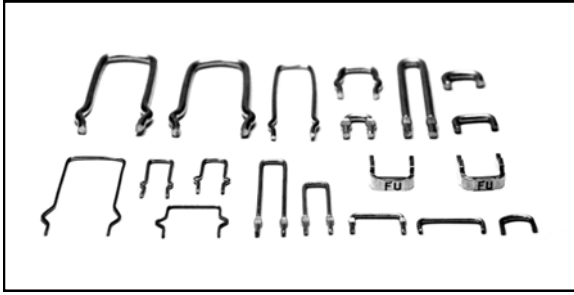


LOW RESISTANCE RESISTOR

LR

低阻值电阻器

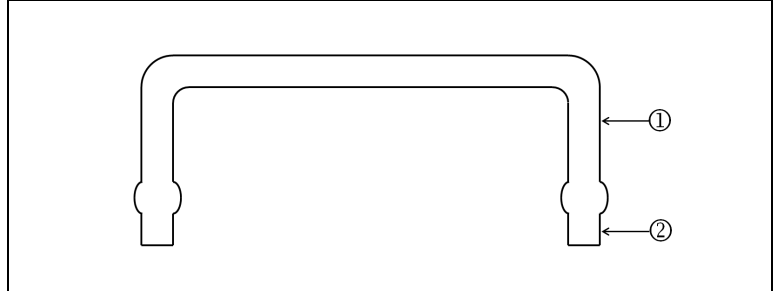
LOW RESISTANCE RESISTOR (LR Type)



本体颜色 : Body color

银色 : Silver

结构图 Construction



1	电阻线	Resistive wire	2	电镀层	Solder coat
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特性 Feature

- ◎尺寸小且重量轻
- ◎ Small size and light weight.
- ◎焊锡特性佳
- ◎ Excellent soldering performance.
- ◎可依客户需求制作
- ◎ Can be produced according to customer's request.
- ◎产品符合欧盟 RoHS 要求
- ◎ Products meet EU-RoHS.

料号编码 Type composition

例 Example

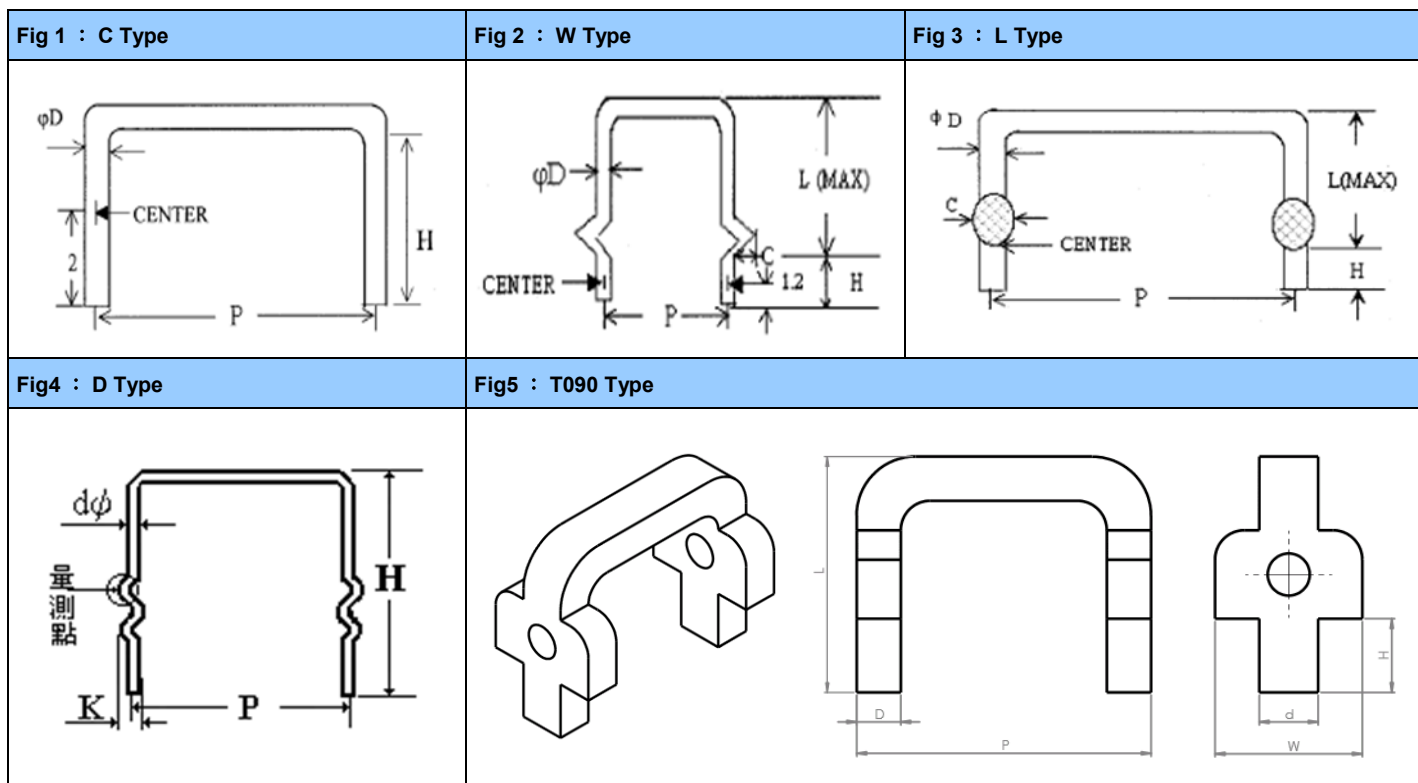
LR	MC	D08	J	2M50	L050
型名 Type	品名 Size	线径尺寸 Wire Size	误差值 Tolerance	电阻值(Ω) Resistance	二次加工 Forming
	MC 锰铜线	D08:Ø0.8	F±1%	1M00=1m	See dimensions
	NC 镍铜线	D10:Ø1.0	H±3%	10M0=10m	
	NR 镍铬线	D12:Ø1.2	J±5%	R100=0.1	
	NH 镀锡铜线	D20:Ø2.0	K±10%		

额定 Ratings

Ød (mm)	最大过电流 Max. Current Rating (A)	阻值范围 Resistance RangeΩ		误差值 Tolerance	温度系数 T.C.R.	使用温度范围 Temperature Range
		Copper Manganese	Copper Nickel			
0.4	2.0	70mΩ~ 200 mΩ	80mΩ~ 220 mΩ	F±1% H±3% J±5% K±10%	± 50ppm/°C ±100ppm/°C ±200ppm/°C	-55°C~200°C
0.5	2.5	50mΩ~ 150 mΩ	60mΩ~ 165 mΩ			
0.6	3.0	50mΩ~ 100 mΩ	60mΩ~ 110 mΩ			
0.7	4.0	30mΩ~ 70 mΩ	35mΩ~ 75 mΩ			
0.8	4.5	20mΩ~ 50 mΩ	25mΩ~ 55 mΩ			
0.9	5.0	20mΩ~ 40 mΩ	25mΩ~ 40 mΩ			
1	5.5	15mΩ~ 30 mΩ	20mΩ~ 30 mΩ			
1.1	6.0	15mΩ~ 20 mΩ	16mΩ~ 22 mΩ			

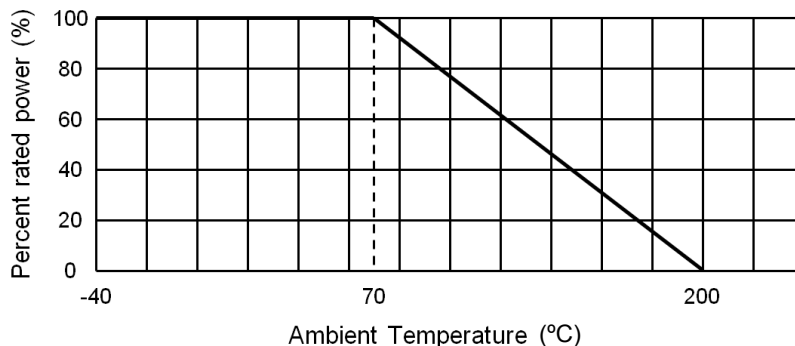
Ød (mm)	最大过电流 Max. Current Rating (A)	阻值范围 Resistance RangeΩ		误差值 Tolerance	温度系数 T.C.R.	使用温度范围 Temperature Range
		Copper Manganese	Copper Nickel			
1.2	7.0	10mΩ~ 20 mΩ	12mΩ~ 22 mΩ	F±1% G±2% J±5% K±10%	± 50ppm/°C ±100ppm/°C ±200ppm/°C	-55°C~200°C
1.3	7.5	10mΩ~ 20 mΩ	12mΩ~ 22 mΩ			
1.4	8.0	10mΩ~ 20 mΩ	12mΩ~ 22 mΩ			
1.5	9.0	10mΩ~ 20 mΩ	12mΩ~ 22 mΩ			
1.6	9.5	10mΩ~ 15 mΩ	12mΩ~ 16 mΩ			
1.8	11.0	5mΩ~ 10 mΩ	6mΩ~ 11mΩ			
2.0	12.0	5mΩ~ 10 mΩ	6mΩ~ 11mΩ			
2.3	14.0	3mΩ~ 5 mΩ	3mΩ~ 5 mΩ			

■尺寸 Dimension



■额定温度下降曲线图 Derating curve

例 Example



■性能 Performance

试验项目 Test Items	规格值 Performance Requirements	试验方法 Test Methods
电阻值 Resistance	规定的误差值内 Within specified tolerance	测量点从端盖 10mm Measuring points are 10mm from the end cap
温度系数 T.C.R.	规定值内 Within specified T.C.R.	室温+100°C Room temperature +100°C
短时间过负荷 Short time overload	±(2%)	No evidence of mechanical damage and after test impedance change ratio
负荷寿命 Load life	±(3%)	100% rate power load (90min on and 30min off keep the 1,000 Hrs)
耐湿负荷寿命 Load life in humidity	±(2%)	10% rate power load 40°C, 95% RH for 1,000 hours; 1.5h ON / 0.5h OFF cycle
焊锡耐热 Resistance to soldering heat	±(1%)	260°C ± 5°C for 10 seconds (焊锡槽) 350°C ± 10°C for 3.5 seconds (手焊锡)
可焊性 Solderability	Coverage 95%	Temp. of solder 245°C ± 5°C duration of immersion 5 s ± 0.5 s