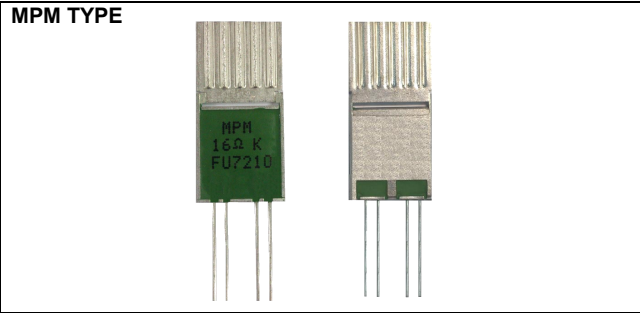


METAL PLATE CEMENT RESISTOR

MPM

金属板电阻器

METAL PLATE CEMENT RESISTOR (MPM Type)



本体颜色 : 金属色 Body color : Silver
 涂料颜色 : 绿色 Coating color : Green
 标示 : Marking 文字 : Alphanumeric

特性 Feature

- ◎ 不燃与绝缘之安全设计
- ◎ Compact type with safety design of Non-flammability and insulation.
- ◎ 低阻值耐突波佳
- ◎ Low resistance and resilient to surge current.
- ◎ 无电感
- ◎ Non-inductance.
- ◎ 产品符合欧盟 RoHS 要求
- ◎ Products meet EU-RoHS.

参考规格 Reference standards

- JIS C 5201-1

额定 Ratings

TYPE	Rated Power (W)	阻值范围 Resistance Range(Ω)	误差值 Tolerance	耐电压 Dielectric Withstanding Voltage	温度系数 T.C.R.	包装 Pack (pcs)	
						Straight	Forming
MPM	4	0.01~100M	F±1% J±5% K±10%	500V	± 350ppm/°C	1200	---
	5	0.01~100M					
	7	0.01~100M					

结构图 Construction

MPM 4W

MPM 7W

1	端子线	Lead wire	5	金属板	Metal board
2	金属壳	Metal shell	6	捺印	Marking
3	电镀层	Plating layer	7	绝缘涂料	Insulation coat
4	陶瓷板	Ceramic base			

外形尺寸 Dimensions

型号 Model	Dimensions (mm)						
	A	B	C	h	Ød	P1	P2
MPM 4W	18±0.5	15±1.0	2.0±0.5	15±3	0.60±0.05	5.5±0.5	9.5±0.5
MPM 5W	18±0.5	15±1.0	2.0±0.5	15±3	0.60±0.05	5.5±0.5	9.5±0.5
MPM 7W	32±1.0	15±1.0	2.0±0.5	16±3	0.60±0.05	5.0±0.5	9.5±0.5

Ød=0.5±0.05 (36Ω~100MΩ)

料号编码 Type composition

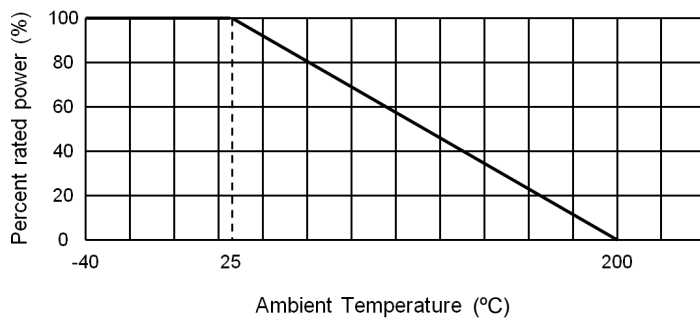
例 Example

MPM	04	K	R010	S002	CP
型名 Type	额定功率 Rated Power	误差值 Tolerance	电阻值(Ω) Resistance	二次加工 Forming	端子线 Lead Wire
	04:4W	F±1%	R010=0.01	S002 :	CP Wire
	05:5W	J±5%	R100=0.1	2Pin	
	07:7W	K±10%	1R00=1 10R0=10	S004 : 4Pin	

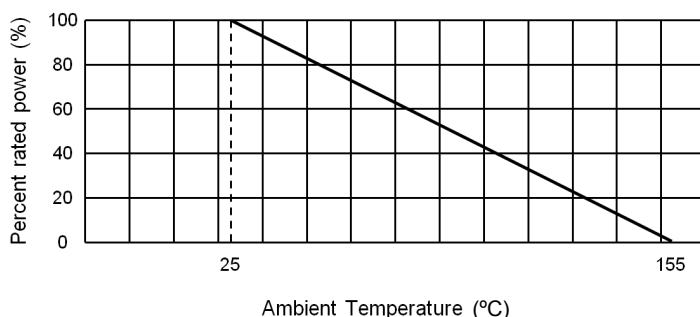
■ 额定温度下降曲线图 Derating curve

例 Example

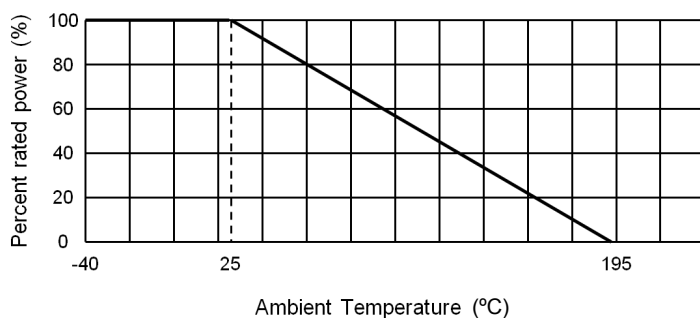
4W



5W



7W



■ 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%+0.1Ω)	6.25 倍额定功率, 5 秒 6.25 times the rated power for 5 seconds
负荷寿命 Load life	±(5%+0.1Ω)	Rated voltage at 70°C for 1,000 hours 1.5hr ON / 0.5hr OFF Cycles
耐湿负荷寿命 Load life in humidity	±(5%+0.1Ω)	10% rate power load 40°C, 95% RH for 1,000 hours; 1.5h ON / 0.5h OFF cycle
耐湿性 Moisture resistance	±(2%+0.05Ω)	40°C, 95% RH, 240 小时 40°C, 95% RH for 240 hours
温度循环 Temperature cycle	±(1%+0.05Ω)	5 cycles for -25°C (30min) : room temp. (30min) ~ +85°C (30min) room temp. (30min)
焊锡耐热 Resistance to soldering heat	±(1%+0.05Ω)	260°C ± 5°C for 10 seconds (焊锡槽) 350°C ± 10°C for 3.5 seconds (手焊锡)
绝缘电阻 Insulation resistance	>10MΩ	500V 绝缘测试 1 分钟 500V insulation test 1min.