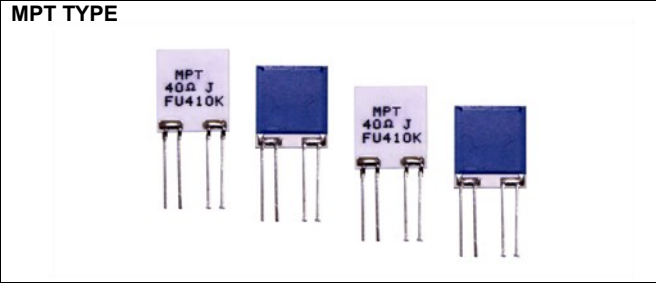


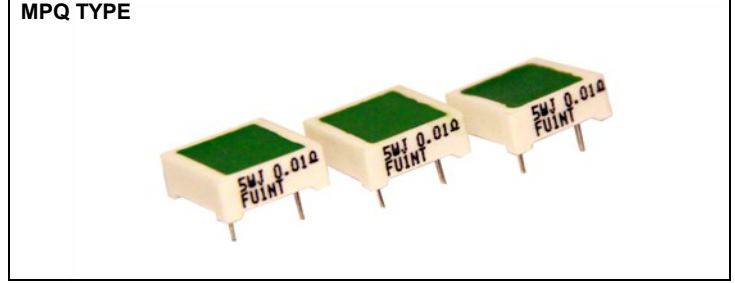
METAL PLATE CEMENT RESISTOR

MPT 金属板电阻器
METAL PLATE CEMENT RESISTOR (MPT Type)

MPQ 金属板电阻器
METAL PLATE CEMENT RESISTOR (MPQ Type)



本体颜色 : Body color
白色 : White
涂料颜色 : Coating color
蓝色 : Blue
标示 : Marking
文字 : Alphanumeric



本体颜色 : Body color
白色 : White
涂料颜色 : Coating color
绿色 : 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.
- ◎ 可依客户需求制作
- ◎ Can be produced according to customer's request.

外形尺寸 Dimensions

型名 Model	Dimensions mm					Weight (g) (1000pcs)
	A	B	C	h	Ød	
MPT 03	15 ±1.0	13 ±1.0	0.7±0.1	15±3.0	0.5±0.05	630
MPQ 05	16 ±1.0	16 ±1.0	6.0±0.5	4.5±0.5	0.8±0.05	3110

料号编码 Type composition

例 Example

MPQ	05	J	R010	S00	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
MPT	03:3W	F±1%	R010=0.01	S000 :	铜线
MPQ	05:5W	G±2%	R100=0.1	Straight	CP Wire
		J±5%	50R0=50		
		K±10%	1000=100		
			1001=1K		
			1002=10K		

额定 Ratings

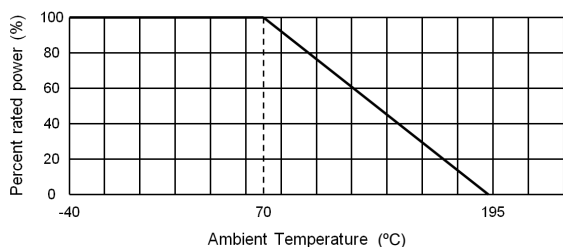
型名 Model	Rated Power (W)	阻值范围 Resistance Range(Ω)	耐电压 Dielectric Withstanding Voltage	温度系数 T.C.R.	包装 Plate / Bulk pack(pcs)
		J±5%、K±10%(E24)			
MPT 03	3	36~100M	500V	±350ppm/°C	200
MPQ 05	5	0.01~0.5			

■ 结构图 Construction

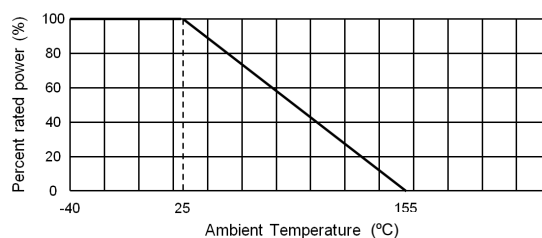
MPT Type 			MPQ Type 					
1	端子线	Lead wire	3	标示	Marking	4	金属板	Metal board
2	导电层	Print impedance layer	4	陶瓷板	Ceramic base	5	瓷壳	Ceramic case

■ 额定温度下降曲线图 Derating curve

MPT Type



MPQ Type



■ 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%+0.05Ω)	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	±(2%+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.
不燃性 Flameproof	无燃烧现象 No evidence of flaming or arcing	AC voltage of 2,4,8,16,32 times the power rating for 1min. (V ≤ 4 times max. working voltage)
脉冲测试 (MPT Type) Pulse withstanding voltage	±20% 	The following discharge cycle is repeated in the circuit of the left 2.5 sec. ON 2.5 sec. OFF 10,000 cycles. With following DC pulse test voltage. Pulse voltage: 10 KV