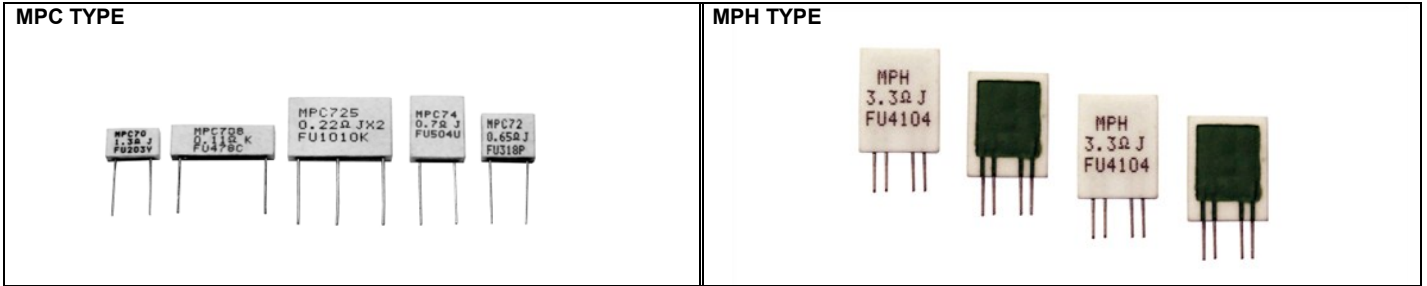


# METAL PLATE CEMENT RESISTOR

**MPC** 金屬板電阻器  
METAL PLATE CEMENT RESISTOR (MPC Type)

**MPH** 金屬板電阻器  
METAL PLATE CEMENT RESISTOR (MPH Type)



Only Available In 4W

本體顏色 : 白色  
Body color : White  
標示 : Marking  
Coating color : Green

本體顏色 : Body color  
白色 : White  
塗料顏色 : Coating color  
綠色 : Green  
◎阻值範圍 0.1Ω~33Ω.  
◎ Resistance value range 0.1Ω~33Ω.  
標示 : Marking  
文字 : Alphanumeric

## 特性 Feature

- ◎不燃與絕緣之安全設計
- ◎ Compact type with safety design of Non-flammability and Insulation.
- ◎低阻值耐突波佳
- ◎ Low resistance and resilient to surge current.
- ◎無電感
- ◎ Non- inductance.
- ◎產品符合歐盟 RoHS 要求
- ◎ Products meet EU-RoHS.

## 料號編碼 Type composition 例 Example

MPC	02	J	R010	S000	CP
型名 Type	額定功率 Rated Power	誤差值 Tolerance	電阻值(Ω) Resistance	二次加工 Forming	端子線 Lead Wire
	01:1W	F±1%	R010=0.01	S000 : Straight	CP Wire
	02:2W	G±2%	R100=0.1		
	03:3W	J±5%	1R00=1	F090 :	
	05:5W	K±10%	10R0=10	Forming	
	A0:10W				
MPH	04	J	R100	S002	CP
型名 Type	額定功率 Rated Power	誤差值 Tolerance	電阻值(Ω) Resistance	二次加工 Forming	端子線 Lead Wire
	04:4W	J±5%	R100=0.1	S002: 2Pin	CP Wire
		K±10%	1R00=1	S004: 4Pin	

## 參考規格 Reference standards

- JIS C 5201-1

## 額定 Ratings

TYPE	Rated Power (W)	阻值範圍 Resistance Range (Ω)		誤差值 Tolerance	耐電壓 Dielectric Withstanding Voltage	溫度係數 T.C.R.	包裝 Pack (pcs)	
							Straight	Forming
MPC	01	0.01~0.5		F±1% G±2% J±5% K±10%	500V	±100ppm/°C ±200ppm/°C ±350ppm/°C	1000	---
	70	0.1~1.0						
	76	0.01~0.05						
	78	0.1~1.0						
	72	0.1~1.0						
	73	0.01~0.08						
	71	0.1~1.0						
	74	0.01~1.0						
	75	0.01~0.08	1.5~2.2				500	500
	722	0.1~3.3						
	708	0.1~1.0						
	733	0.1~1.0						
	735	0.01~0.08					---	
725	0.1~1.0							
MPH	04	0.1~33		K±10%			200	

■結構圖 Construction

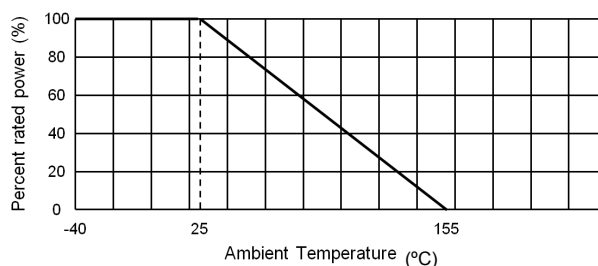
<b>MPC &amp; MPH TYPE</b>		<b>MPC Type</b>		<b>MPH Type</b>	
		1W 腳距 P : 5 ±0.5mm		Only Available In 4W	
1	端子線 Lead wire	3	金屬板 Metal board	5	瓷殼 Ceramic case
2	矽水泥 Silicon cement	4	標示 Marking		

■外型尺寸 Dimensions

TYPE	型名 Model	Dimensions (mm)				Weight (g) (1000pcs)
		A	B	C	Ød	
MPC	01	10±1.0	10±1.0	5±0.5	0.8±0.05	1250
	70, 76, 78	8.0±1.0	13±1.0	4±0.5	0.6±0.05	1250
	72, 73	13±1.0	13±1.0	5±0.5	0.6±0.05	2350
	71	18±1.0	14±1.0	5±0.5	0.6±0.05	3400
	74, 75	18±1.0	14±1.0	5±0.5	0.8±0.05	3400
	722	18±1.0	26±1.0	5±0.5	0.8±0.05	5900
	708	9.0±1.0	26±1.0	5±0.5	0.6±0.05	3000
	733, 735	13±1.0	26±1.0	5±0.5	0.6±0.05	5000
	725	18±1.0	26±1.0	5±0.5	0.8±0.05	6000
MPH	4	21 ±1.0	15 ±1.0	2.0±0.5	0.6±0.05	1650

■額定溫度下降曲線圖 Derating curve

例 Example



■性能 Performance

試驗項目 Test Items	規格值 Performance Requirements	試驗方法 Test Methods
電阻值 Resistance	規定的誤差值內 Within specified tolerance	測量點從端蓋 10mm Measuring points are 10mm from the end cap
溫度係數 T.C.R.	規定值內 Within specified T.C.R.	室溫+100°C Room temperature +100°C
短時間過負荷 Short time overload	±(2%+0.05Ω)	6.25 倍額定功率，5 秒 6.25 times the rated power for 5 seconds
負荷壽命 Load life	±(5%+0.05Ω)	Rated voltage at 70°C for 1,000 hours 1.5hr ON / 0.5hr OFF Cycles
耐濕負荷壽命 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
耐濕性 Moisture resistance	±(2%+0.05Ω)	40°C, 95% RH, 240 小時 40°C, 95% RH for 240 hours
溫度循環 Temperature cycle	±(1%+0.05Ω)	5 cycles for -25°C (30min) : room temp. (30min) ~ +85°C (30min) room temp. (30min)
焊錫耐熱 Resistance to soldering heat	±(2%+0.05Ω)	260°C ± 5°C for 10 seconds (焊錫槽) 350°C ± 10°C for 3.5 seconds (手焊錫)
絕緣電阻 Insulation resistance	MPH : >10MΩ MPC : >1000MΩ	500V 絕緣測試 1 分鐘 500V insulation test 1min.