METAL PLATE CEMENT RESISTOR

MPT

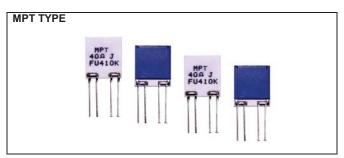
金屬板電阻器

METAL PLATE CEMENT RESISTOR (MPT Type)

MPQ

金屬板電阻器

METAL PLATE CEMENT RESISTOR (MPQ Type)



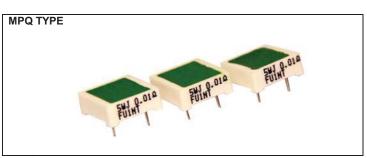
本體顏色 : Body color

白色 : White

塗料顏色 : Coating color

藍色 : Blue 標示 : Marking

文字 : Alphanumeric



本體顏色 : Body color

白色 : White

塗料顏色 : Coating color

線色 : Green 標示 : Marking

文字 : Alphanumeric

■外形尺寸 Dimensions

| | 型名 Model | Dimensions mm) | | | | | Weight (g) |
|--|-------------|----------------|---------|---------|---------|----------|------------|
| | | А | В | С | h | Ød | (1000pcs) |
| | 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 |

■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
- O Low resistance and resilient to surge current.
- ◎無電感
- O Non- inductance.
- ◎產品符合歐盟 RoHS 要求
- O Products meet EU-RoHS.
- ◎可依客戶需求製作
- Can be produced according to customer's request.

■料號編碼 Type composition

例 Example

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

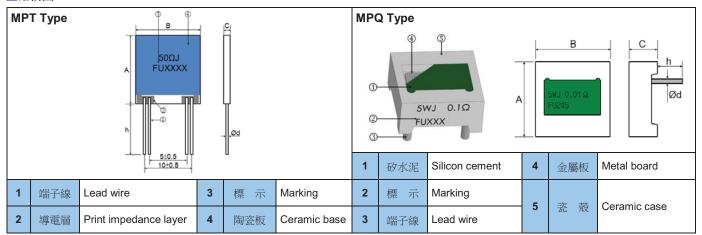
■额定 Ratings

| 型名 Model | Rated Power (W) | 阻值范围 Resistance Range(Ω) | 耐电压 Dielectric | 温度系数 T.C.R. | 包装 Plate / Bulk pack(pcs) |
|----------|--------------------|--------------------------|-------------------------|----------------|---------------------------|
| | | J±5%、K±10%(E24) | Withstanding Voltage DC | | |
| MPT 03 | 3 | 36~100M | 500V | +250nnm/9C | 200 |
| MPQ 05 | 5 0.01~0.5 | | 500V | ±350ppm/°C | 200 |



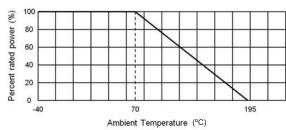


■結構圖 Construction

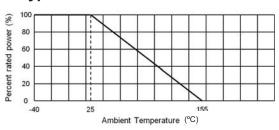


■額定溫度下降曲線圖 Derating curve

MPT Type



MPQ Type



| ■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 10 mm Measuring points are10 mm from the end cap | |
| 溫度係數 T.C.R. | 規定值內 Within specified T.C.R. | 室溫+100℃ Room temperature +100 º 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%+0.1Ω) | 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℃,95% RH,240 小時 40℃, 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℃ ± 5 ° C for 10 seconds (焊錫槽) 350℃ ± 10 ° C for 3.5 seconds (手焊錫) | |
| 絕緣電阻 Insulation resistance | >10ΜΩ | 500V 絕緣測試 1 分鐘 500V insulation test 1min. | |
| 不燃性 Flameproof | 無燃燒現象 No evidence of flaming or arcing | AC voltage of 2,4,8,16,32 times the power rating for 1min. (V \leq 4 times max. working voltage) | |
| 脈衝測試 (MPT Type) Pulse withstanding voltage | ± 20% 10M SW DC T 1pF RX | 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 | |