

□ FEATURE

- ◆ Compact type with safety design of Non-flammability and insulation.
- ◆ Low resistance and resilient to surge current.
- ◆ Non- inductance.
- ◆ Resistance value range is 0.1Ω~33Ω.

優點: 不燃性與絕緣之安全設計,耐突波及無感低阻值.

用途: 監控電流及TV背光模組電路等.

□ ORDERING

Example: MPH4WR10JB (4W 0.1R 5% Bulk)

| Power | Part No. | Resistance | Tolerance | Package |
|-------|----------|------------|-----------|----------|
| 4W | MPH2P | R10=0.1R | J = ±5% | B = Bulk |
| | MPH4P | 3R3 - 3.3R | K = ±10% | K = ±10% |
| | | 330 = 33R | | |

Figure:

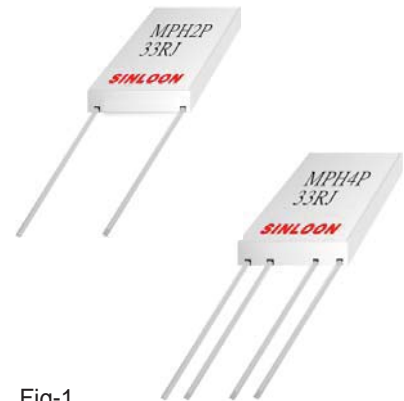


Fig-1

□ EXTERNAL DIMENSIONS

| Power | Type | Dimensions (mm) | | | | | | | Figure |
|-------|-------|-----------------|--------|---------|----------------|----------------|----------------|----------|--------|
| | | L | W | H | L ₁ | P ₁ | P ₂ | d Φ | |
| 4W | MPH2P | 21±1.0 | 15±1.0 | 2.0±0.5 | 15±2 | 5.0±0.05 | 10±1.0 | 0.6±0.05 | Fig-2 |
| | MPH4P | | | | | | | | Fig-3 |

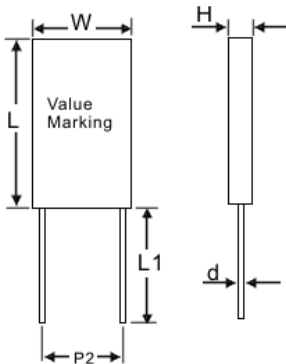


Fig-2 MPH2P

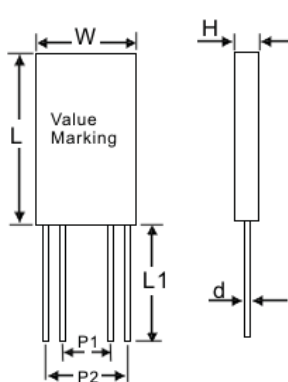


Fig-3 MPH4P

□ Construction (結構圖)

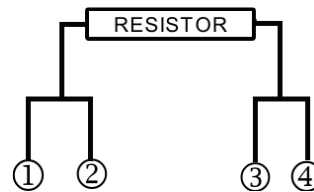


Fig-4

□ Power Rated

| Power | Type | Resistance Range (Ω) | Tolerance (%) | Maximum Working Voltage | Maximum Overload Voltage |
|-------|----------------|----------------------|---------------------|-------------------------|--------------------------|
| 4W | MPH2P MPH4P | 0.1 ~ 33 | J = ±5% K = ±10% | \sqrt{PR} | \sqrt{PR} |

* Rated continuous Working Voltage (RCWV) = $\sqrt{\text{power rating} \times \text{resistance value}}$

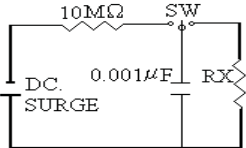


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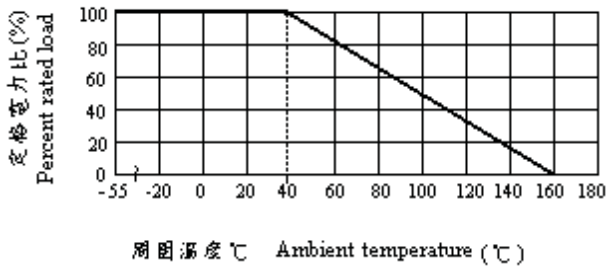
金屬片薄型無感電阻器
Power : 4 Watt

MQ-MPH4W Series
Metal Plate Cement Resistor

□ CHARACTERISTICS

| Item | Spec. | Remarks |
|----------------------------------|-------------|--|
| Load life under high temperature | ±5% | Rated voltage at 700C for 1,000 hours |
| Load life under high humidity | ±5% | Rated voltage at 400C,95% RH for 1,000 hours |
| Temp. coeff. of resistance | ±350 ppm/°C | Room temp.+ 100°C |
| Short time overload | ±2% | 6.25 times the rated power for 5 seconds |
| Dielectric withstanding voltage | ---- | 500 volt 1 min |
| Pulse withstanding voltage | ±20% | <p>■ The following discharge cycle is repeated in the circuit of the left fig. 2.5 sec. ON 2.5 sec. OFF 10,000 cycles. With following DC pulse test voltage.</p> <p>■ Pulse voltage : 10KV</p>  |
| Insulation resistance | >10MΩ | 500 volt Insulation test |

□ POWER DERATING CURVE



For resistors operated in ambient temperature over 40°C, power rating must be derated in accordance with the curve left.

在周圍溫度超過40°C使用時,應依據左圖之額定功率下降曲線,輕減其額定功率.

□ DEVICE OUTLOOK

Plant Front Side



Fig-5

Plant Back Side



Fig-6

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金屬片薄型無感電阻器
Power : 4 Watt

MQ-MPH4W Series
Metal Plate Cement Resistor

□ **PACKING:**

| Power | Part No. | Plastic Pack | Inner Box | Carton |
|-------|----------|--------------|-----------|----------|
| 4W | MPH2P | 100 pcs | 500 pcs | 2000 pcs |
| | MPH4P | | | |

Plastic Pack



Fig-7

Carton Packing

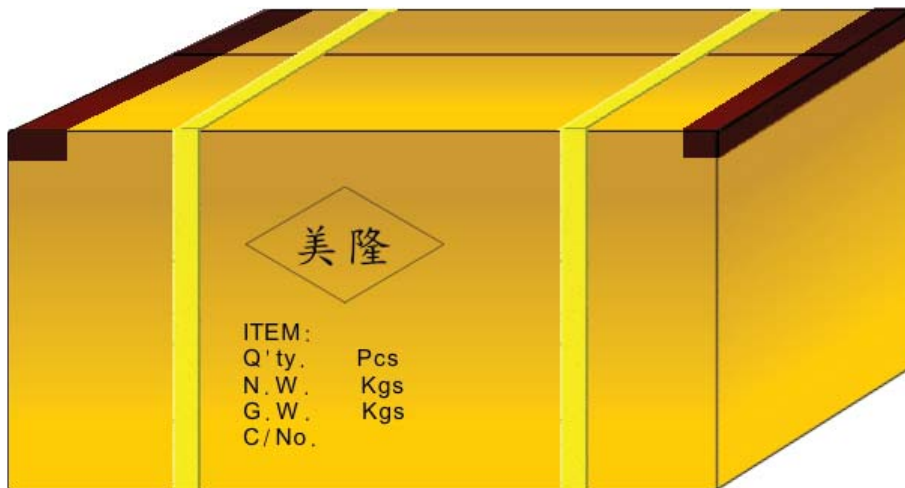


Fig-8

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