

# METAL GLAZE RESISTOR

## RM Series 金屬釉電阻器(RM 系列)

### FEATURES

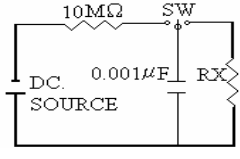
- Resistance value range is 10Ω~<100MΩ
- Stable and long service life.
- UL1676 & c-UL(CSA C22.2 No. 1-98)(File No.E220321)
- EN 60065 : 1998 File No : 814991 ; CB File No : SE-56152

### 特性

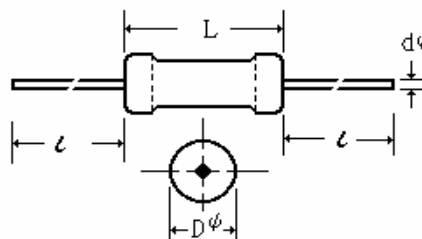
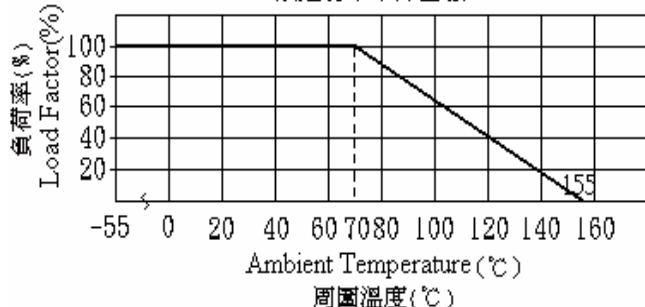
- 阻值範圍; 10Ω~<100MΩ
- 長期使用壽命與穩定性佳
- UL1676 及 c-UL(CSA C22.2 No. 1-98)(File No.E220321)
- EN 60065 : 1998 File No : 814991 ; CB File No : SE -56152

### CHARACTERISTICS

### 性能

| ITEM 項目                                    | SPEC. 規格   | REMARKS 備註  |
|--|--|---|
| Load life under high temperature<br>高溫負荷壽命 | ±1.5%  | JIS-C-5202 7.10 Rated voltage at 70°C for 1,000 hours<br>額定電壓 70°C 1,000 小時   |
| Load life under high humidity<br>耐濕負荷壽命    | ±5%  | JIS-C-5202 7.9 Rated voltage at 40°C,95% RH for 1,000 hours<br>額定電壓 40°C,95% RH 1,000 小時  |
| Temp.coeff.of resistance<br>溫度係數           | < 1K= ±500 PPM/°C<br>≤ 100K Ω=±300 ppm/°C<br>>100K Ω=±200 ppm/°C | JIS-C-5202 5.2 Room temp. + 100°C , 30min<br>室溫 + 100°C , 30 分鐘   |
| Short time overload<br>短時間過負荷              | 1/6W,S1/4W : ±1%<br>≥ 1/2W : ±0.5%                               | JIS-C-5202 5.5 6.25 times the rated power for 5 seconds<br>6.25 倍額定功率 5 秒   |
| Temperature cycling<br>溫度循環                | ±1%  | JIS-C-5202 7.4 5 cycles for -55 ~ +155°C<br>5 次-55 ~ +155°C   |
| Resistance to soldering heat<br>焊錫耐熱       | ±1%  | JIS-C-5202 6.4 350°C for 3 seconds<br>350°C 3 秒   |
| Insulation resistance<br>絕緣電阻              | >1,000MΩ   | JIS-C-5202 5.6 500 volt Insulation test<br>500 V 絕緣測試電壓   |
| Pulse withstanding voltage<br>脈衝測試         | ±20%   |  <p>                     The following discharge cycle is repeated in the circuit of the left fig.<br/>                     2.5 sec. ON 2.5 sec. OFF 50 cycles.<br/>                     With following DC pulse test voltage<br/>                     Pulse voltage: &lt; 100KΩ : (3KV) ; 100 KΩ-620 KΩ : (5KV) &gt; 620 KΩ : (10KV)                 </p> |

DERATING CURVE  
額定功率下降曲線



Various type of forming & taping are available  
提供插裝的造型與帶裝

Coating color : RMU1/4W、RMU1/6W Dark Blue, other、pink  
塗裝顏色 : RMU1/4W、RMU1/6W 深藍色, 其他粉紅色

### RATING, DIMENSIONS

### 額定尺寸

| Model<br>型名     | Rated Power<br>額定功率<br>(W) | Resistance Range<br>阻值範圍<br>(Ω) | Maximum Working Voltage<br>最高使用電壓 | Dielectric Withstanding Voltage<br>耐電壓 | Dimension 尺寸 (mm)              |         |      |           |
|-----------------|----------------------------|---------------------------------|-----------------------------------|--|--------------------------------|---------|------|-----------|
|                 |                            |                                 |                                   |  | L                              | D φ     | l    | d φ       |
| RMU1/6W、RMS1/4W | 1/6, 1/4                   | 10Ω ~ <100M                     | 500V                              | 300V                                   | 3.3±0.3                        | 1.8±0.2 | 28±2 | 0.45±0.05 |
| RMU1/4W、RMS1/2W | 1/4, 1/2                   | 10Ω ~ <100M                     | 1600V                             | 700V                                   | 6±0.3                          | 2.4±0.1 | 28±2 | 0.6±0.05  |
| RMU1/2W、RMS1W   | 1/2, 1                     | 10Ω ~ <100M                     | 3500V                             | 700V                                   | 9±0.5                          | 3.3±0.5 | 30±3 | 0.6±0.05  |
| RMU1W、RMS2W     | 1, 2                       | 10Ω ~ <100M                     | 3500V                             | 700V                                   | 12 <sup>+1</sup> <sub>-2</sub> | 4.5±0.5 | 38±3 | 0.8±0.05  |
| RMU2W、RMS3W     | 2, 3                       | 10Ω ~ <100M                     | 7000V                             | 700V                                   | 16 <sup>+1</sup> <sub>-2</sub> | 5.5±0.5 | 38±3 | 0.8±0.05  |
| RMH1W           | 1                          | 10Ω ~ 68M                       | 10000V                            | 700V                                   | 16 <sup>+1</sup> <sub>-2</sub> | 5.5±0.5 | 38±3 | 0.8±0.05  |

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