

■ 厚膜高壓電阻器

High Voltage Thick Film Resistor

● 特點 Features

- * 體積小、重量輕
Miniature and light weight
- * 可靠性高，使用壽命長，防潮性、抗腐蝕性好
High reliability, long life excellent moistureproof and cauterization
- * 設計靈活，可根據用戶要求生產
Free design, producing according to the consumer require



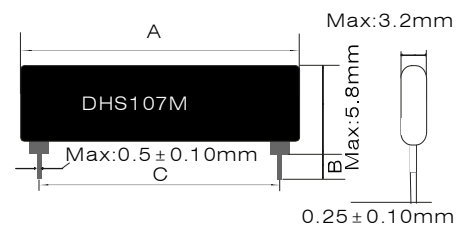
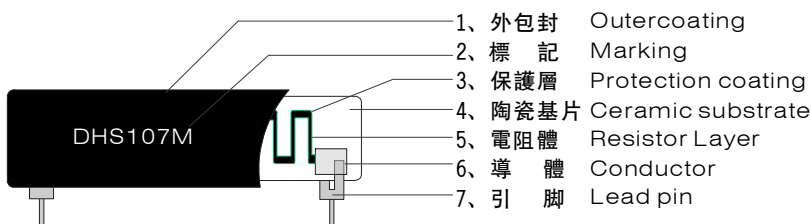
● 應用領域 Applications

應用于微波爐等家電產品及變頻器產品。
 Application to Microwave ovens and other appliances and inverter products.

● 品名構成 Type Designation

| | | | | | | | | | |
|----------------------|--|------------------|----------------------|--------------------|-------|---|-------------------|------------------------------|-----|
| DH | | S | | 107 | | M | | P | |
| 公司代號 Company Code | | 引脚代號 Pin Code | | 標稱阻值 Resistance | | 電阻值誤差 精度代號 Resistance Tolerance Code | | 環保代號 Code of Lead-Free | |
| DH | 表示端華 公司產品 Duanhua Chip Resistor Ltd | S | 引脚間距： 17.78±0.3mm | 107 | 100MΩ | 代號 Code | 誤差精度 Tolerance | P | 環保品 |
| | | HV | 引脚間距： 27.94±0.5mm | | | M | ±20% | | |

● 結構 Construction



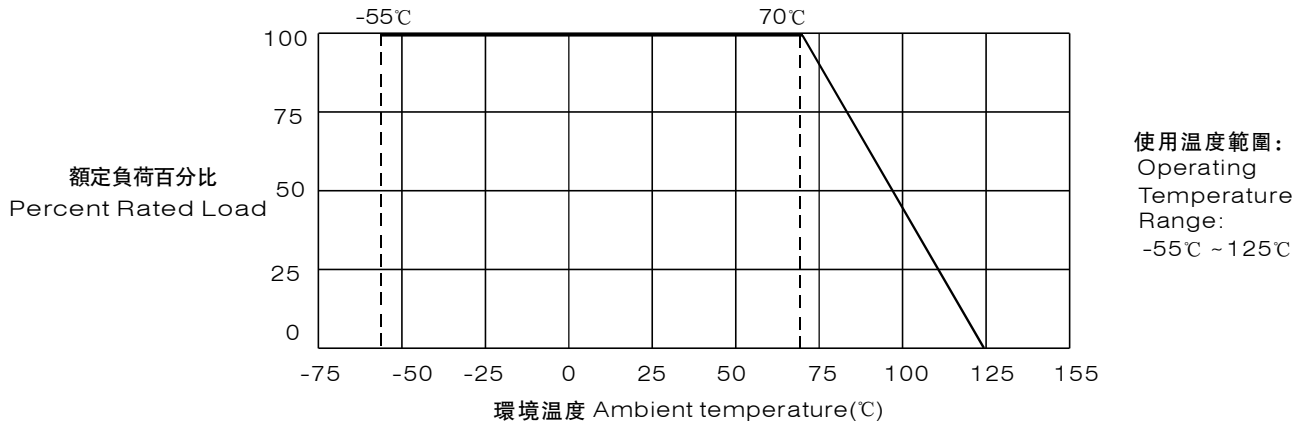
● 規格尺寸 Dimensions

| 產品型號 | 代號 | A | B | C | Marker |
|----------|----|------------|-----------|-------------|-------------|
| DHS107M | | 21.0mm MAX | 3.5±0.5mm | 17.78±0.3mm | DHS107M |
| DHHV107M | | 32.0mm MAX | 3.5±0.5mm | 27.94±0.5mm | HV-30-100MM |

厚膜高壓電阻器

HIGH VOLTAGE THICK FILM RESISTOR

• 負荷下降曲線 Derating Curve



注：當電阻使用的環境溫度超過70°C時，其額定負荷(額定功率)按上述曲線下降。

Note: For resistors operated in ambient over 70°C, rated load (rated power) shall be derated in accordance with the above figure.

• 額定值 Ratings

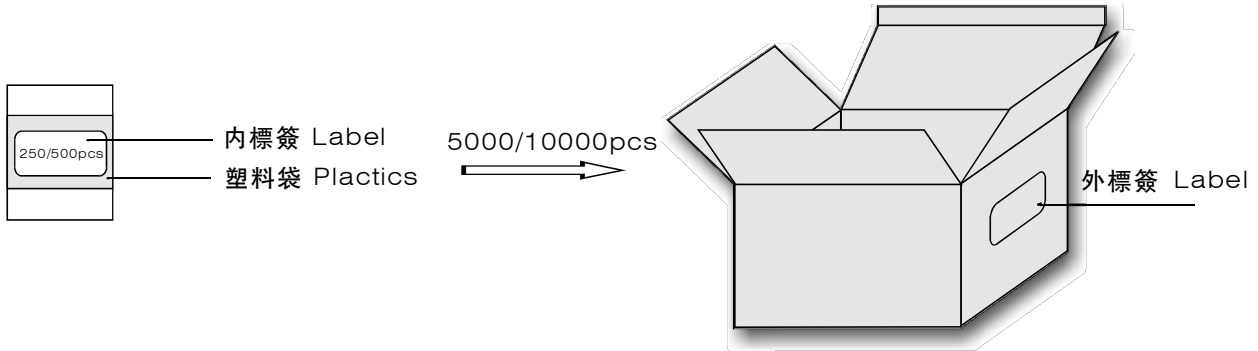
| 項目 Item | 特性 Specification |
|----------------------------------|--|
| 額定功率 Rated Power | 1W |
| 額定電壓 Rated Voltage | $E = \sqrt{P \times R}$: voltage電壓(V), P: power功率(W), R: resistance電阻(Ω) |
| 最大工作電壓 Max. Operating Voltage | 10KV |

• 特性 Characteristics

| 試驗項目 Test Item | 規定值 Standard | 測試方法 Test Method |
|---|---|---|
| 電阻值 Resistance Value | 100M Ω \pm 20% | T: 25 \pm 2°C, RH \leq 65%. |
| 電阻溫度係數 T.C.R | \pm 250ppm/°C | IEC 60115-1 4.8 在-55°C~125°C的溫度範圍測量。 Measured between -55°C ~ 125°C. |
| 包封絕緣耐電壓 Coating Insulation With Standing Voltage | 無弧光，燃燒及本體被擊穿 No arc, inflammation and damage | 施加500V DC, 保持1分鐘。 Apply 500V DC for 1 min |
| 可焊性 Solderability | 上錫面積應 \geq 95% Coverage area \geq 95% | IEC 60115-1 4.17 在260 \pm 5°C的焊料槽內, 浸入時間2 \pm 0.5秒。 Tem: 260 \pm 5°C, Time: 2 \pm 0.5s. |
| 耐溶劑 Component Solvent Resistance | 外觀無損傷 No Mechanical Damage | 浸泡在異丙醇溶液中10 \pm 1小時, 溶劑溫度為23 \pm 2°C。 Dipping in isopropyl solution for 10 \pm 1h, solution temperature: 23 \pm 2°C. |
| 阻燃性 Resistance to inflammation | V-0 | UL-94 |

• 包裝 Packaging

* 包裝 Packaging



* 包裝數量 Packaging quantity

| 塑料袋散包裝 Bag | 袋 Bag | 箱 Case |
|---------------|----------|-----------|
| DHS107M | 500pcs | 10000pcs |
| DHHV107M | 250pcs | 5000pcs |

■ 修訂履歷 Revision History

| 版本Version | 日期Date | 修訂內容 Change Description | 修改確認 Checked by |
|-----------|------------|--|-----------------|
| V2020.0 | 2020-06-23 | - 原版 The original version. | 吳曉玲 Xiaoling Wu |
| V2020.1.0 | 2021-01-13 | - 修改結構圖“C”尺寸公差 Revise the dimension tolerance of structural drawing “C” . | 何志江 Zhijiang He |

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