

# 大功率不燃性電阻器 Non Flammable Wire Wound Resistors

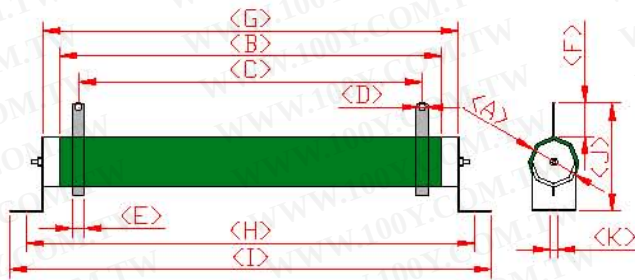
## R series ◆電力型 . Power Type

R Type : 固定電阻, Fixed Resistors

SR Type : 可調電阻, Adjustable Resistors

NR Type : 無感電阻, Noninductive Resistors

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)



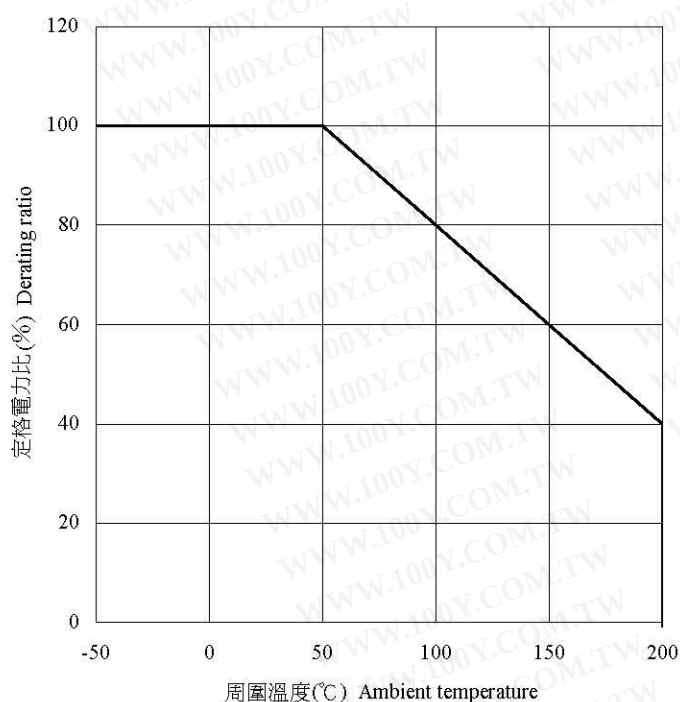
規格表 Spec.

| 定格電力 (W)<br>Power Rating | 尺寸 Dimensions (mm) |     |     |       |       |      |     |     |     |      |       | 電阻值範圍 (Ω)<br>Resistance Range | 備註<br>Remark |
|--------------------------|--------------------|-----|-----|-------|-------|------|-----|-----|-----|------|-------|-------------------------------|--------------|
|                          | A±1                | B±2 | C±2 | D±0.1 | E±0.2 | F±1  | G±2 | H±2 | I±2 | J±2  | K±0.1 |                               |              |
| R- 10W                   | 12.5               | 45  | 37  | 2.1   | 4     | 10.5 | 46  | 53  | 63  | 28   | 4     | 1 Ω ~ 5K Ω                    |              |
| R- 20W                   | 16.5               | 60  | 49  | 3     | 5     | 12   | 70  | 78  | 97  | 42   | 4     | 1 Ω ~ 10K Ω                   |              |
| R- 30W                   | 16.5               | 80  | 69  | 3     | 5     | 12   | 90  | 98  | 117 | 42   | 4     | 1 Ω ~ 15K Ω                   |              |
| R- 40W                   | 16.5               | 110 | 99  | 3     | 5     | 12   | 120 | 128 | 147 | 42   | 4     | 1 Ω ~ 20K Ω                   |              |
| R- 50W                   | 25                 | 110 | 94  | 5.2   | 8     | 19   | 120 | 142 | 164 | 58   | 6     | 0.1 Ω ~ 25K Ω                 |              |
| R- 60W                   | 28                 | 90  | 72  | 5.2   | 8     | 17.6 | 101 | 125 | 145 | 60   | 6     | 0.1 Ω ~ 30K Ω                 |              |
| R- 80W                   | 28                 | 110 | 92  | 5.2   | 8     | 17.6 | 121 | 145 | 165 | 60   | 6     | 0.1 Ω ~ 40K Ω                 |              |
| R- 100W                  | 28                 | 140 | 122 | 5.2   | 8     | 17.6 | 151 | 175 | 195 | 60   | 6     | 0.1 Ω ~ 50K Ω                 |              |
| R- 120W                  | 28                 | 160 | 142 | 5.2   | 8     | 17.6 | 171 | 195 | 215 | 60   | 6     | 0.1 Ω ~ 60K Ω                 |              |
| R- 150W                  | 28                 | 195 | 177 | 5.2   | 8     | 17.6 | 206 | 230 | 250 | 60   | 6     | 0.1 Ω ~ 75K Ω                 |              |
| R- 160W                  | 35                 | 185 | 167 | 5.2   | 8     | 18   | 197 | 219 | 249 | 75   | 8     | 0.1 Ω ~ 80K Ω                 |              |
| R- 200W                  | 35                 | 210 | 190 | 5.2   | 8     | 18   | 222 | 244 | 274 | 75   | 8     | 0.1 Ω ~ 100K Ω                |              |
| R- 250W                  | 40                 | 210 | 186 | 5.5   | 10    | 17.5 | 224 | 245 | 277 | 88.8 | 9     | 0.5 Ω ~ 125K Ω                |              |
| R- 300W                  | 40                 | 260 | 241 | 5.5   | 10    | 17.5 | 273 | 294 | 327 | 88.8 | 9     | 0.5 Ω ~ 150K Ω                |              |
| R- 400W                  | 40                 | 330 | 305 | 5.5   | 10    | 17.5 | 343 | 362 | 396 | 88.8 | 9     | 0.5 Ω ~ 200K Ω                |              |
| R- 500W                  | 50                 | 330 | 298 | 6.4   | 12    | 25.5 | 346 | 367 | 400 | 99   | 10    | 0.5 Ω ~ 250K Ω                |              |
| R- 600W                  | 50                 | 400 | 368 | 6.4   | 12    | 25.5 | 416 | 437 | 470 | 99   | 10    | 0.5 Ω ~ 300K Ω                |              |
| R- 700W                  | 50                 | 460 | 428 | 6.4   | 12    | 25.5 | 475 | 497 | 528 | 99   | 10    | 0.5 Ω ~ 350K Ω                |              |
| R- 800W                  | 60                 | 460 | 420 | 6.4   | 15    | 28   | 480 | 502 | 533 | 112  | 10    | 0.5 Ω ~ 400K Ω                |              |
| R- 1000W                 | 60                 | 540 | 500 | 6.4   | 15    | 28   | 560 | 582 | 613 | 110  | 10    | 1 Ω ~ 500K Ω                  |              |
| R- 1300W                 | 65                 | 650 | 615 | 6.4   | 15    | 31   | 672 | 696 | 725 | 125  | 10    | 1 Ω ~ 600K Ω                  |              |

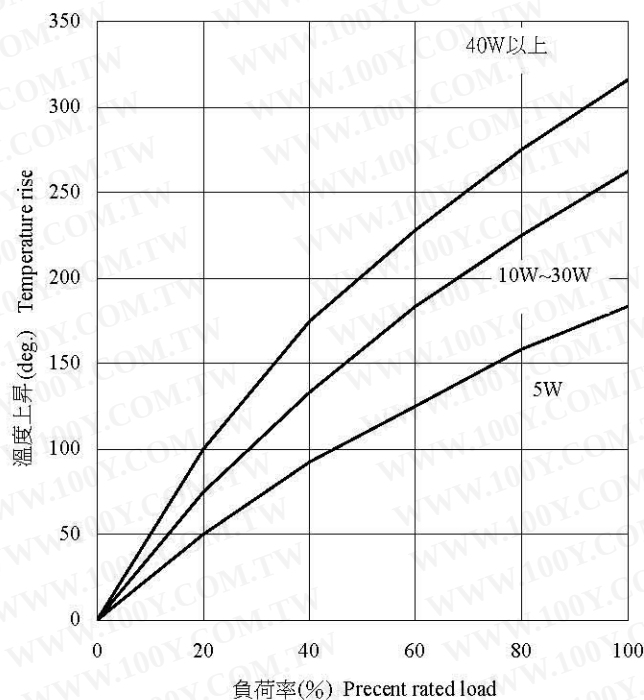
## 電氣特性 Electrical specification

| 特性 Characteristics                              | 規格值 Limits                                                                                                | 檢驗方法 Test methods |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------|
| 阻值和阻值的誤差<br>Resistance and resistance tolerance | Resistance nominal Resistance tolerance<br>$1\Omega \leq R$ $\pm 5\%$ (J)<br>$1\Omega > R$ $\pm 10\%$ (K) | JIS-C-5202 5-1    |
| 溫度係數<br>Temperatuer coefficient                 | $\pm 200\text{ppm}/^\circ\text{C}$ max.                                                                   | JIS-C-5202 5-2 b  |
| 額定負載<br>Power rating load                       | $\Delta R/R \leq \pm(1\% + 0.05\Omega)$<br>表面溫度上昇 (tempoerature) $350^\circ\text{C}$ max.                 | JIS-C-5202 5-4    |
| 短時間過載<br>Short-time overload                    | 定額10倍5秒過載 1000% rated power 5 seconds<br>$\Delta R/R \leq \pm(2\% + 0.05\Omega)$                          | JIS-C-5202 5-5    |
| 絕緣阻值<br>Insulation resistance                   | DC500V $100\text{M}\Omega$ mim.                                                                           | JIS-C-5202 5-6    |
| 耐電壓<br>Dielectric withstanding voltage          | AC3000V 1 mintue                                                                                          | JIS-C-5202 5-7    |

負載減輕曲線圖 Power Derating Curve



表面溫度上昇圖 Temperature Rise



## 短時間過載表 Short-time Overload Rating

| 負荷時間(Second) Load Time  | 1    | 2    | 3    | 4    | 5    | 10   | 30  | 60  | 180 | 300 | 600 | 900 |
|-------------------------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|
| 電力增加率(%) Power Increase | 2600 | 2000 | 1600 | 1400 | 1300 | 1000 | 600 | 450 | 200 | 150 | 120 | 110 |