



特點

- 1.主電源直接跨接時，不會產生火花、爆炸及電弧現象。
- 2.耐電壓能力可達1KV。
- 3.防爆型套管包覆，具耐濕及絕緣特性。
- 4.UL1412認證。

Features

1. Fail-Safe without flames, explosion and arc when mains voltage 80~ 270V AC directly applied.
2. High Dielectric Withstanding Voltage up to 1KV.
3. Anti-Burst construction in a ceramic tube, resistant to humidity and insulation.
4. UL1412 approved.

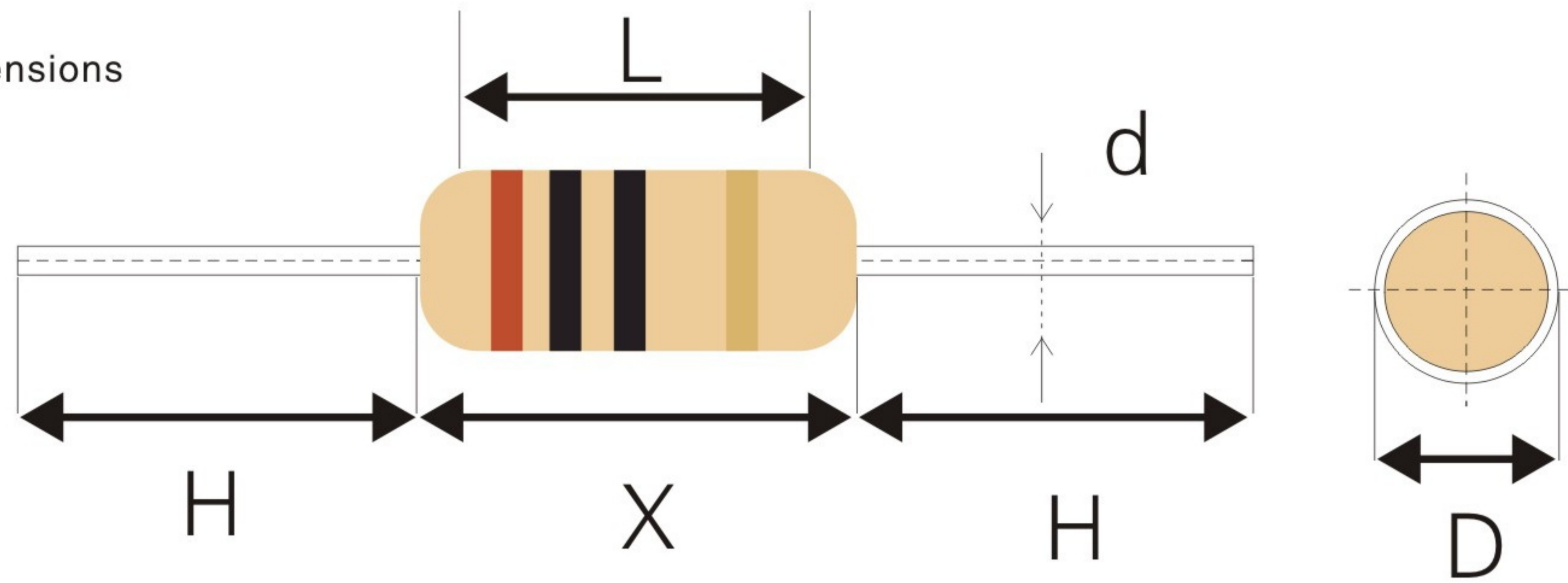
電氣及機械特性 ELECTRICAL AND MECHANICAL PERFORMANCE

特性 Characteristics	規格值 Standards	試驗方法 Test Methods
阻值容許誤差 Resistance Tolerance	± 5% (J)	-
溫度系數 Resistance Temp. Coeff.	< 4500 ppm/°C	-55°C ~ 200°C
額定負載 Power Rating Load	Surface temp. 275°C Max. 最高表面溫度 275°C, $\Delta R/R \leq \pm 2\%$	Rated voltage for 30 minutes 額定電壓/30分鐘
短時間過負載 Short Time Overload	± 2%	5 times of rated wattage for 5 seconds. 5 倍額定功率/5秒
耐電壓 Dielectric Withstanding Voltage	No evidence of mechanical damage or insulation breakdown. 無機械性能損壞及絕緣擊穿現象	AC 1000V for 1 minutes 施加 AC 1000V 電壓 1 分鐘
絕緣電阻 Insulation Resistance	1,000M Ω	DC 500V megger
端子強度 Terminal Strength	No evidence of mechanical damage 無機械性能損壞現象	1 kg
焊錫性 Solder-ability	Minimum 95% coverage 焊錫面積 $\geq 95\%$	235 ± 5°C for 2 seconds
浸錫耐熱性 Resistance to Soldering Heat	No evidence of mechanical damage. 無機械性能損壞現象, $\Delta R/R \leq \pm 1\%$	270 ± 5°C for 10 ± 1 seconds 350 ± 10°C for 3.5 ± 0.5 seconds

耐環境特性 ENVIRONMENTAL CHARACTERISTICS

特性 Characteristics	規格值 Standards	試驗方法 Test Methods
溫度週率 Temp. Cycle	$\Delta R/R \leq \pm 1\%$	-55°C (30 min.) → Room Temp. (3 min.) → +200°C (30 min.) → Room Temp. (3 min.) / (5 cycles)
負載壽命 Load Life	$\Delta R/R \leq \pm 3\%$	Rated power load 90 minutes ON 30 minutes OFF 70°C 1000 hours
耐濕壽命 Moisture-proof Load Life	$\Delta R/R \leq \pm 3\%$	Rated power load 90 minutes ON 30 minutes OFF 40°C 95% RH 1000 hours
不燃性 Nonflammability	not flamed	16 times of rated wattage for 5 min

尺寸 Dimensions



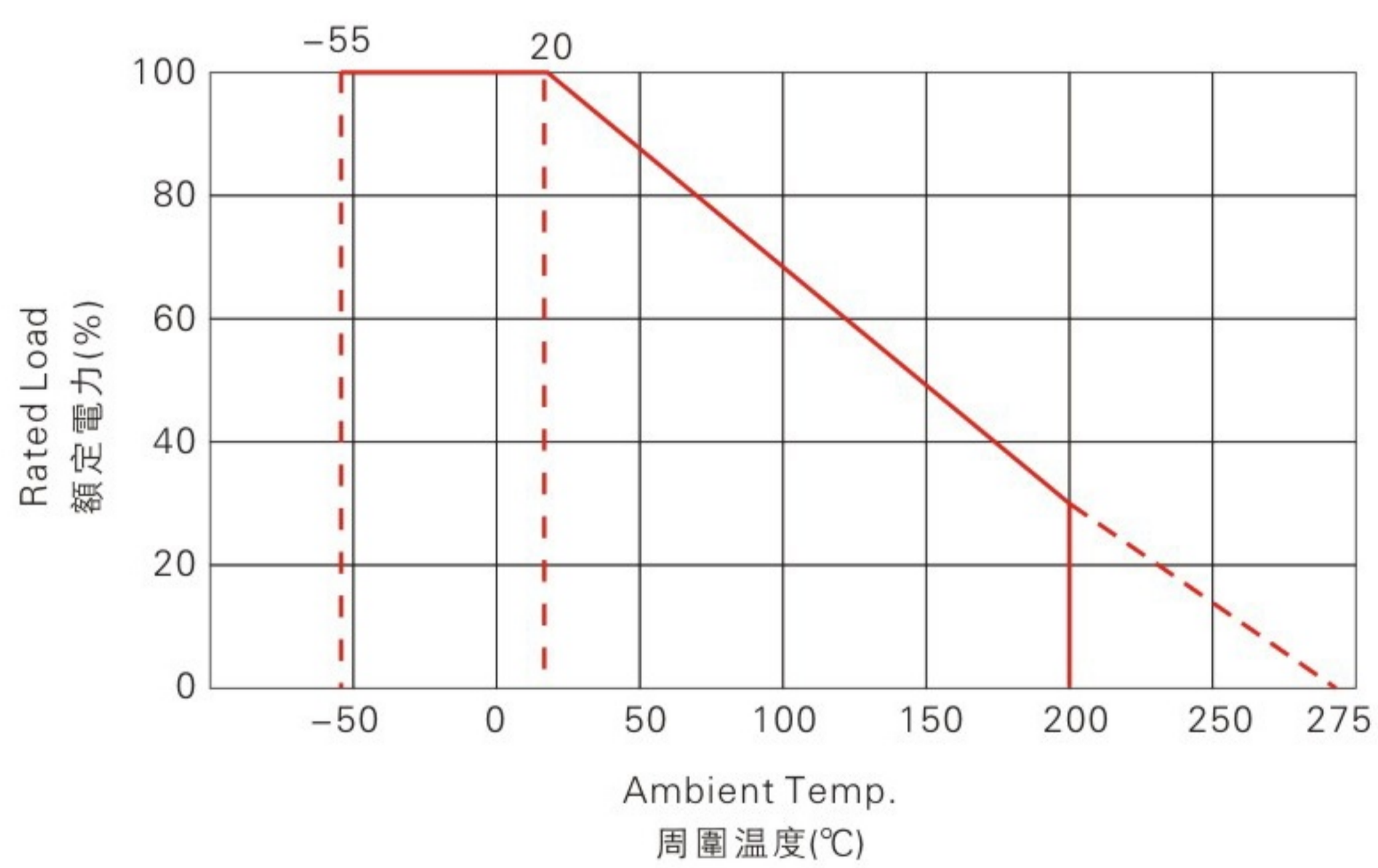
Unit: mm

Rated Wattage	$D \pm 1$	$L \pm 1$	X Max.	$H \pm 3$	$d \pm 0.1$	Resistance Range(Ω)
1WS	4.5	6.5	9	28	0.65	1~47

Note: Too low or too high ohmic values can be supplied only case by case.

電力輕減曲綫 Derating Curve

For resistors operated in ambient temperatures above 20°C, power rating must be derated in accordance with the curve below.



表面溫度上升曲綫 Surface Temperature Rise

