



### 特點

1. 功率大、體積小。
2. 適用於需要保護的各種電路基板及設計。
3. 不燃性絕緣塗裝，可耐溶劑清洗及高溫。
4. 溫度系數低( ± 300 ppm/°C以下)。
5. 保險絲熔斷時間一致。
6. UL1412認證。

### Features

1. High power, Small body size.
2. It is suitable for protecting circuit boards.
3. Noncombustible insulating coating; "Solvent" proof and resistant to high temperature.
4. Low temperature coefficient.
5. Uniform in fusing time.
6. UL1412 approved.

### 電氣及機械特性 ELECTRICAL AND MECHANICAL PERFORMANCE

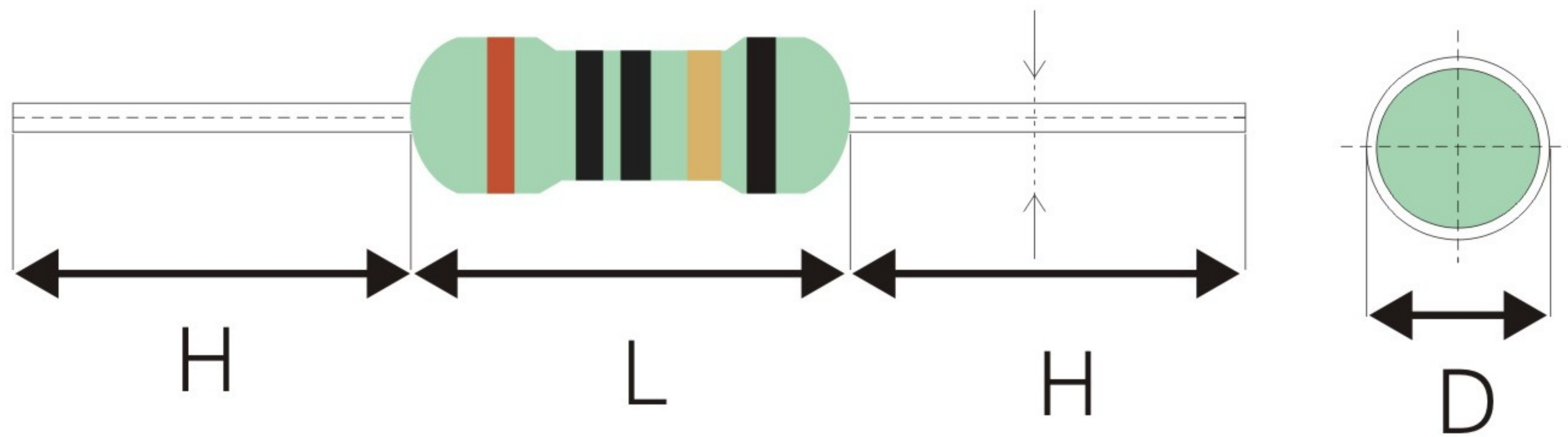
特性 Characteristics	規格值 Standards	試驗方法 Test Methods
阻值容許誤差 Resistance Tolerance	± 5%(J) or ± 2%(G)	-
溫度系數 Resistance Temp. Coeff.	± 300 ppm/°C,	-55°C ~ 200°C
額定負載 Power Rating Load	Surface temp. 275°C Max. 最高表面溫度 275°C, ΔR/R ≤ ± 2%	Rated voltage for 30 minutes 額定電壓/ 30分鐘
短時間過負載 Short Time Overload	± 2%	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	Applying suitable voltage listed on Dimensions for one minute. 施加規定電壓1分鐘
絕緣電阻 Insulation Resistance	1,000MΩ	DC 100V or 500V megger
熔斷特性 Fusing Characteristics	Fusing time is within 60 seconds. 熔斷時間 < 60秒。	16 times of rated wattage
焊錫性 Solder- ability	Minimum 95% coverage 焊錫面積 ≥ 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, ΔR/R ≤ ± 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	ΔR/R ≤ ± 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	ΔR/R ≤ ± 5%	Rated power load 90 minutes ON 30 minutes OFF 70°C 1000 hours
耐濕壽命 Moisture-proof Load Life	ΔR/R ≤ ± 5%	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



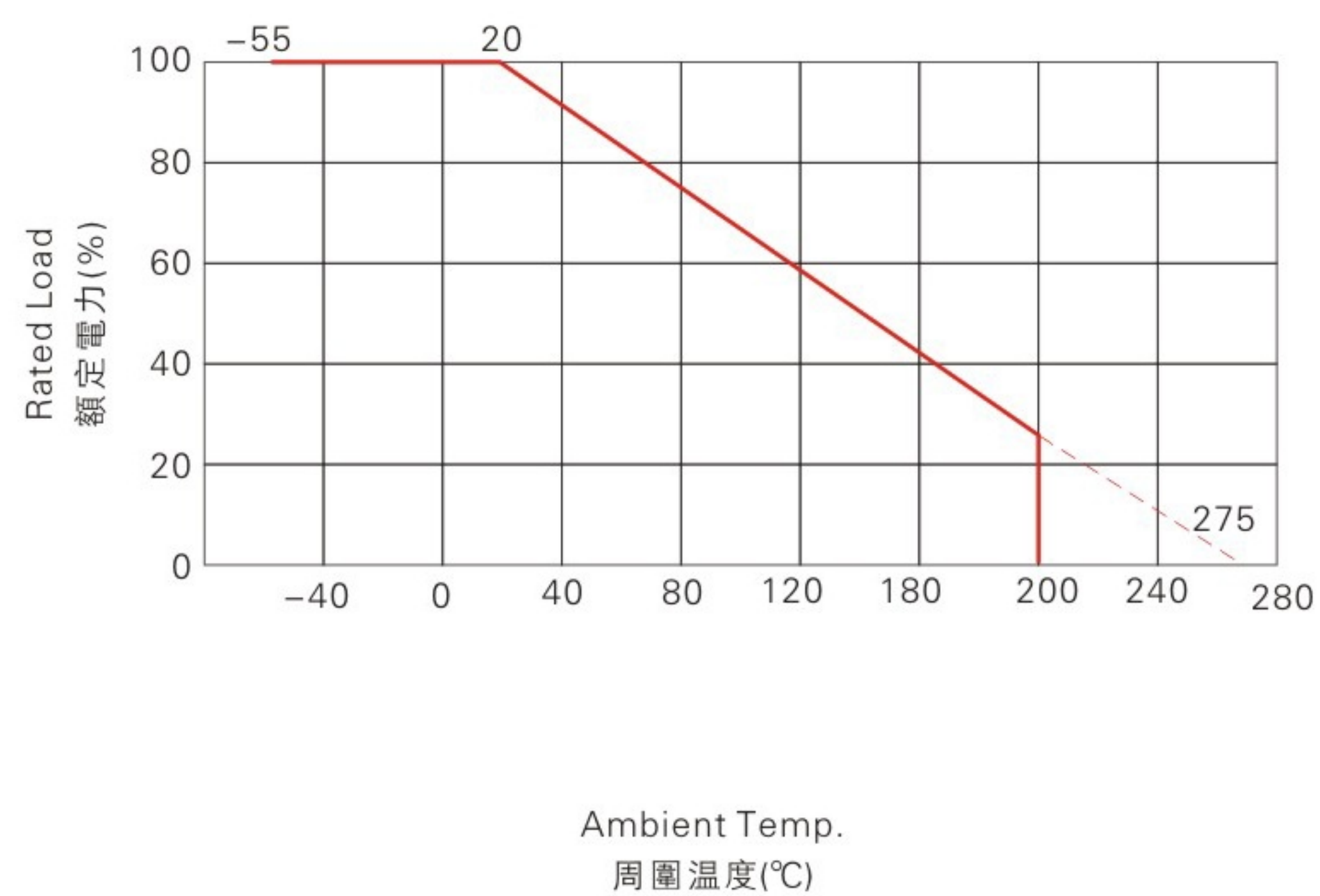
Unit: mm

Rated Wattage	$D \pm 1$	$L \pm 1$	$H \pm 3$	$d \pm 0.1$	Resistance Range( $\Omega$ )	Dielectric Withstanding Voltage
1WS	$2.6 \pm 0.5$	6.8	28	0.65	0.1~200	250V
2WS	3	9	28	0.65	0.1~300	350V
3WS	5	11	28	0.8	0.1~800	500V

Note: 1.Fusing time can also be consulted between buyers and the manufacturer before producing.  
 2.The resistance value will be as high as 100 times the original value after fusing.

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

