

特點

- 1.標準帶裝方式，供自動插件及成型作業。
- 2.全自動化生產及嚴格品質控管，高品質，高可靠度產品。
- 3.體積小，重量輕，節省印刷電路版使用空間。
- 4.耐電壓能力達1KV。
- 5.不燃性套管包覆，具耐濕及絕緣特性。

Features

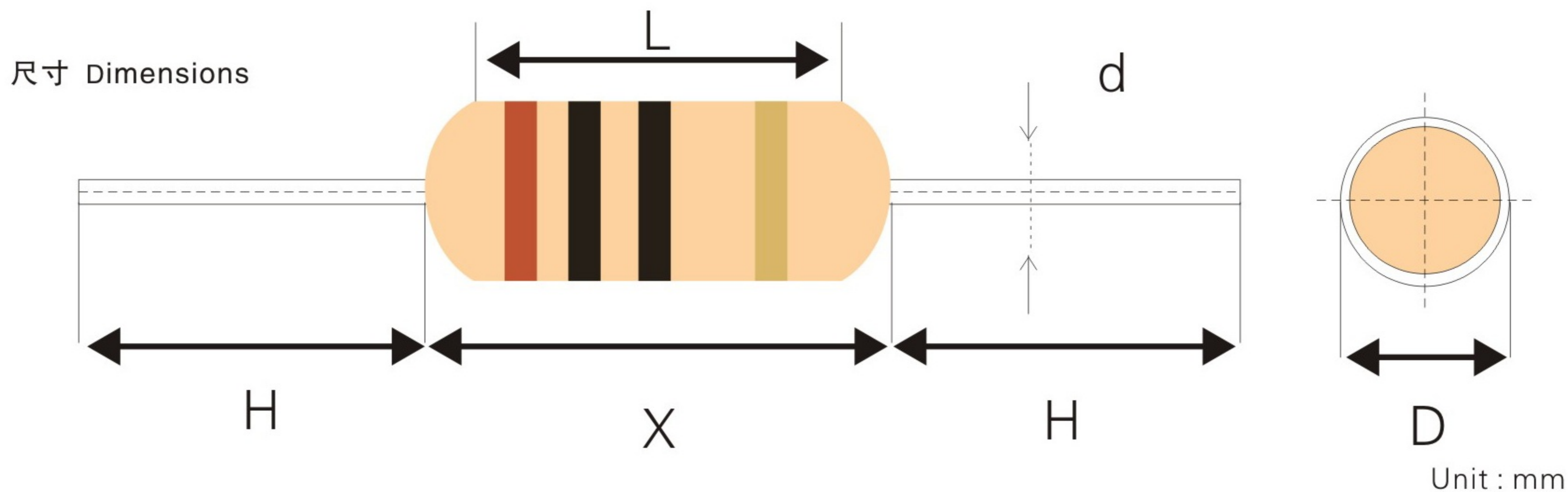
- 1.Standard taping package can be for automatic insertion and forming.
- 2.Fully automated process and strict quality control system result uniform quality and consistent performance in reliability.
- 3.Small and lightweight body style save the PWB space considerably.
- 4.High Dielectric Withstanding Voltage up to 1KV.
- 5.Flameproof construction in a ceramic tube, resistant to humidity and insulation.

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.	± 300 ppm/°C,	-55°C ~ 155°C
額定負載 Power Rating Load	Surface temp.275°C Max. 最高表面溫度275°C, ΔR/R ≤ ± 1%	Rated voltage for 30 minutes 額定電壓/ 30分鐘
短時間過負載 Short Time Overload	± 2%	10 times(power film : 5 times) of rated wattage for 5 seconds. 10 倍(皮膜型: 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	1,000MΩ	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 ≥ 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.) →+155°C(30min.) →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	16times of rated wattage for 5 min



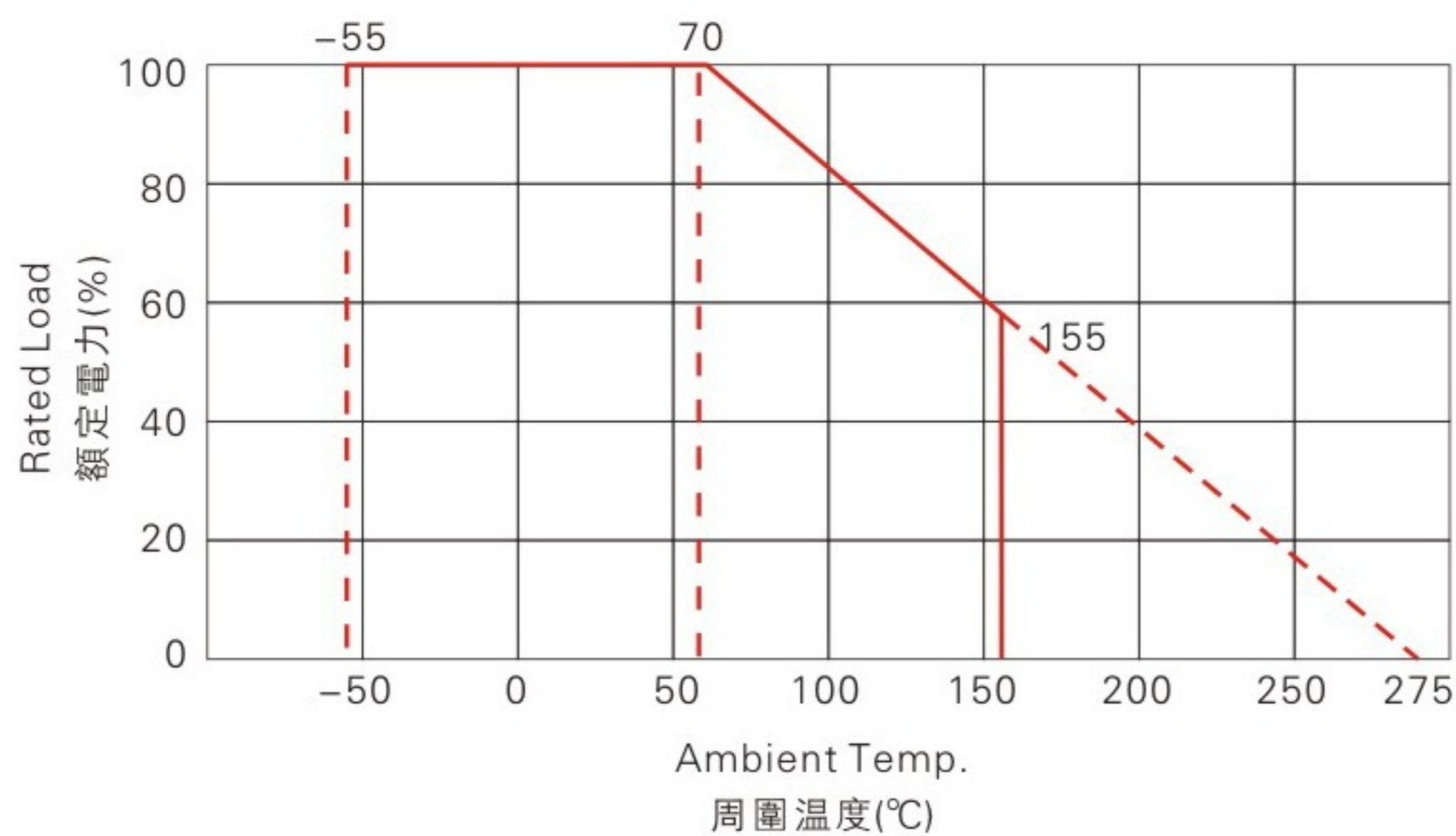
Rated Wattage	D ± 1	L ± 1	X Max.	H ± 3	d ± 0.1	Resistance range(Ω)		Max, Working Voltage
						Wire Wound	Power Film	
1W	4.5	6.5	9	28	0.65	0.1~47	48~10K	150V
2W	5.0	8.5	10.5	28	0.65	0.1~100	101~10K	150V
3W	6.5	11	14	28	0.8	0.1~150	150~33K	350V
5W	7	16	19	28	0.8	0.1~150	151~50K	350V

Note: 1. Too low or too high ohmic values can be supplied only case by case.
2. Max. Overload Voltage is 2 times of Max. Working Voltage

Rate Continuous Working Voltage (RCWV) shall be determined
 $\sqrt{\text{Rated Power} \times \text{Resistance Value}}$ or Max. Working Voltage listed above, whichever less.

電力輕減曲綫 Derating Curve

For resistors operated in ambient temperatures above 70°C, power rating must be derated in accordance with the curve below.



表面温度上升曲綫 Surface Temperature Rise

