

RSN,RSS METAL OXIDE FILM RESISTORS, FLAMEPROOF



不燃性金屬氧化皮膜電阻器



勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Features

1. Electical and mechanical stability and high reliability
2. Nonflame painting, "Solvent" proof, resistant to heat & humidity
3. Annual shift is low
4. Low noise; can produce high resistance values which wire wound resistors can not reach
5. RSS means small size type

特性

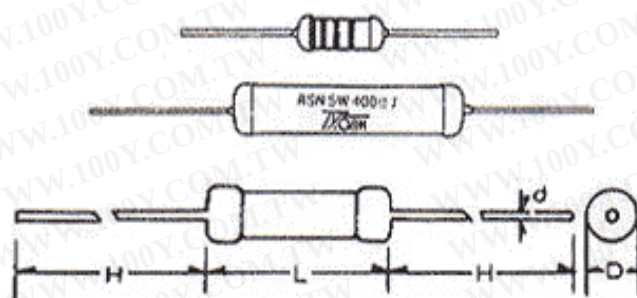
- 電氣及機械上之性能極安定，具高度信賴性
- 不燃性絕緣塗裝，可耐溶劑清洗及適高溫
- 已氧化過之電阻皮膜經年變化甚少，皮膜強度特強
- 低雜音，可製繞線電阻器不能製作之高阻值
- RSS 表示小型化產品

RSS	2W	10 Ω	J	T/B
a	b	c	d	e

- a. common code for metal oxide film
- b. rated power
- c. resistance value
- d. tolerance(J: ±5%)
- e. package(bulk,tape in box, tape & reel)

- a. 名稱
- b. 額定電力
- c. 電阻值
- d. 容許誤差
- e. 包裝方式

DIMENSIONS 尺寸



Unit:mm

TYPE		D	L	H	d	Resistance	Max Working Voltage	Max Overload Voltage
RSS	RSN	±0.5	±1.0	±3	±0.1	Range(Ω)		
1/2W	1/4W	2.6	6.8	30	0.6	0.22-33K	250V	400V
-	1/2W	3.0	9	30	0.65	0.22-33K	300V	400V
1W	-	3.5	9	30	0.65	0.22-50K	350V	600V
2W	1W	4.5	11	30	0.8	0.22-50K	350V	600V
3W	2W	5.0	15	30	0.8	0.22-50K	350V	600V
	3W	6.0	19	38	0.8	0.22-100K	500V	800V
5W	3WL	8.5	24	38	0.8	0.22-100K	500V	800V
6W	4W	8.5	32	33	0.8	0.22-150K	500V	800V
7W	5W	8.5	41	38	0.8	0.22-200K	750V	1000V
10W	7W	8.5	53	38	0.8	0.22-200K	800V	1500V

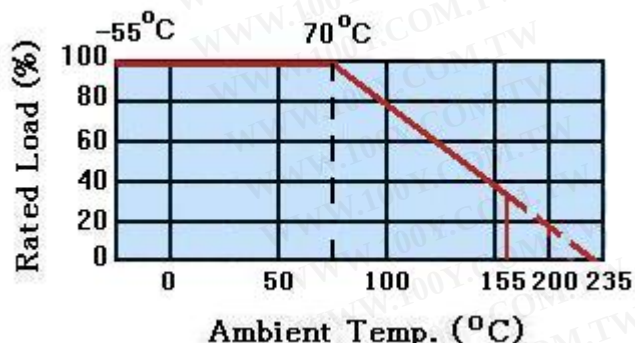
Rated Continuous Working Voltage(RCWW) shall be determined from $RCWW = \sqrt{\text{Rated Power} \times \text{Resistance Value}}$ or Max. Working Voltage listed above, whichever less.

Note:

- Too low or too high ohmic values can be supplied only case by case
- If high resistance values are required, we suggest using RDN series
- 0.22Ω~9.1Ω are using alloy film.

DERATING CURVE 電力遞減曲線

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

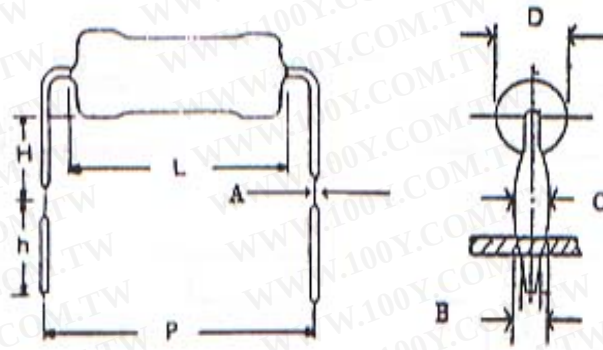


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MG FORM



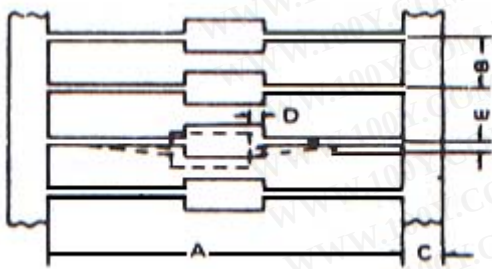
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■ Other cut-and-form types are available, upon request

Unit:mm

RSS	RSN	D ± 0.5	L ± 1	P	H	h ± 1	A ± 0.02	B ± 0.05	C ± 0.2
1W	-	3.5	9	15 ± 1.5	7 ± 1	4.5	0.23	0.8	1.2
2W	1W	4.5	11	15 ± 1.5	7 ± 1	4.5	0.25	1	1.4
3W	2W	5.0	15	20 ± 2	10 ± 2	4.5	0.25	1	1.4

TAPE TYPE DIMENSIONS



Unit:mm

RSS	RSN	Size Type	A	B	C ± 1	D Max	E Max
≤ 1W	≤ 1/2W	T-52	52 ± 1	5 ± 0.5	6	0.6	1.2
2W	1W	T-63	63 ± 1	5 ± 0.5	6	0.6	1.2
		T-63	63 ± 1	10 ± 1	6	0.6	1.2
3W	2W	T-76	76 ± 1.5	10 ± 1	6	0.6	1.2

ELECTRICAL PERFORMANCE 電氣特性

Test Items	Condition	Spec.	Test Method
溫度係數 Resistance Temp. Coeff.	-55°C ~ 155°C	± 300 ppm /°C	JIS-6.3202
短時間超負載 Short Time Overload	2.5 times of rated wattage for 5 sec.	RSN:±1%,RSS:±2%	5.5
耐電壓 Dielectric Withstanding Voltage	Max working voltage 1 min.	No change	5.7
絕緣性 Insulation Resistance	500V megger	1,000 MΩ	5.6
溫度週率 Temp. Cycle	-55°C ~ 155°C 5 cycles	± 1%	7.4
負載壽命 Load Life	70°C on-off cycle 1,000 hours	± 5%	7.10
耐濕壽命 Moisture-proof Load Life	40°C 95% RH on-off cycle 500 hours	± 5%	7.9
不燃性 Incombustibility	16 times of rated wattage for 5 min.	not flamed	7.13