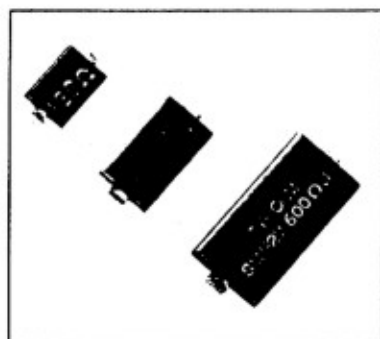


POWER METAL FILM CHIP RESISTORS, SMF
電力型繞線晶片電阻器



Features:

- 1.Flame retardent molded package, resistant to heat, humidity & insulation.
- 2.Special design for automatic surface mounting .
- 3.Excellent mechanical strength & electrical stability.
- 4.Reducing assembly costs.

特性

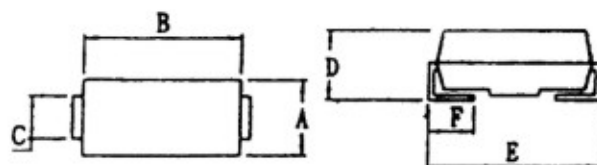
- 不燃性樹脂封裝成型，具高耐溫、耐濕及絕緣特性。
- 特殊設計，專供自動表面黏著作業。
- 高安定性及高信賴性。
- 降低裝配費用。

HOW TO ORDER 訂貨方式

SMF 1W 100 Ω J
a b c d

- | | |
|--|---------|
| a. common code for power metal film chip resistors | a. 名稱 |
| b. rated power | b. 額定電力 |
| c. resistance value. | c. 電阻值 |
| d. tolerance(F:± 1%,J:± 5%) | d. 容許誤差 |

DIMENSION 尺寸



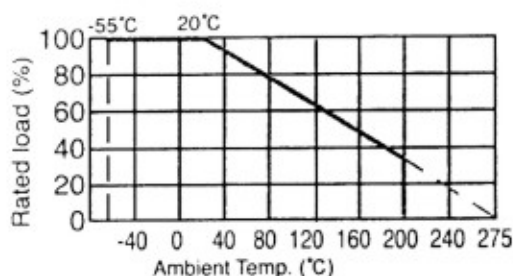
TYPE	Dimension (mm)						Resistance Range(m Ω)	Max Working Voltage
	A±0.3	B±0.3	C±0.3	D±0.3	E max	F±0.3		
1W	3.3	4.5	1.2	2.7	6.0	1.1	10 ~ 2M	300V
2W	4.0	6.7	1.4	3.55	7.9	1.5	10 ~ 2M	300V
3W	5.5	10.5	1.7	5.0	12	2.3	10 ~ 2M	500V
5W	7.3	13.5	1.7	6.8	17	2.5	10 ~ 2M	500V

Note: ■ SMF 5W size is for reference only
 ■ Too low or too high ohmic values can be supplied only case by case

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

DERATING CURVE 電力遞減曲線

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



ELECTRICAL PERFORMANCE 電氣特性

Test Items	Condition	Spec.	Test Method
			JIS-C-5202
溫度係數 Resistance Temp. Coeff.	-55°C ~ + 200°C	± 100ppm/°C	5.2
短時間超負載 Short Time Overload	5 times of rated wattage for 5 sec.	± 0.5%	5.5
額定負載 Rated Load	Rated voltage for 30 minutes	± 0.5%	5.4
絕緣性 Insulation Resistance	500V megger	10,000M Ω	5.6
負載壽命 Load Life	70°C on-off cycle 1,000hrs.	± 1%	7.10
耐濕壽命 Moisture-proof Load Life	40°C 95% RH on-off cycle 500hrs.	± 1%	7.9