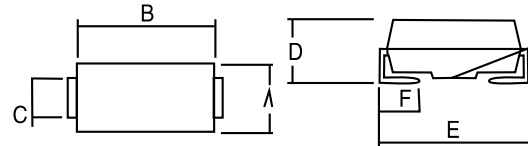


電力型金屬皮膜封裝電阻器 POWER METAL FILM CHIP RESISTORS

SMF



DIMENSIONS 尺寸



Features

1. Flameproof UL94V0 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，專供自動表面粘著作業
- 高安定性及高信賴性
- 降低裝配費用

HOW TO ORDER 訂貨方式

SMF $\frac{1W}{a}$ $\frac{100\ \Omega}{c}$ $\frac{J}{d}$

- a. common code for power metal film chip resistors
- b. rated power
- c. resistance value
- d. tolerance (F: $\pm 1\%$, J: $\pm 5\%$)

- a. 名稱
- b. 額定電力
- c. 電阻值
- d. 容許誤差

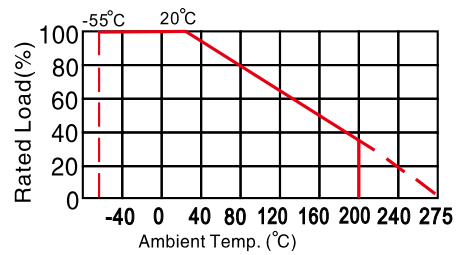
TYPE	Dimension (mm)						Resistance Range (Ω)	Max Working Voltage
	A ± 0.3	B ± 0.3	C ± 0.3	D ± 0.3	E max	F ± 0.3		
1W	3.3	4.5	1.2	2.7	6.0	1.1	10 ~ 2M	300V
2W	4.0	6.7	1.4	3.55	7.9	1.5	10 ~ 2M	300V
3W	5.5	10.5	1.7	5.0	12	2.3	10 ~ 2M	500V
5W	7.3	13.5	1.7	6.8	17	2.5	10 ~ 2M	500V

Note: 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
溫度系數 Resistance Temp. Coeff.	-55°C ~ +20°C	$\pm 100\text{ppm}/^\circ\text{C}$	5.2
短時間超負載 Short Time Overload	5 times of rated wattage for 5 sec.	$\pm 0.5\%$	5.5
額定負載 Rated Load	Rated voltage for 30 minutes	$\pm 0.5\%$	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 1,000 hours	$\pm 1\%$	7.10
耐濕壽命 Moisture-proof Load Life	40°C 95% RH on-off cycle 500 hours	$\pm 1\%$	7.9