



鼎格國際有限公司

產品目錄

< SMD series 晶片型 >

Resistors 電阻器

General 一般電阻

High Power 高功率電阻

Low Ohmic 低阻電阻

Metal Strip Type Current Sensing Resistors 超低阻金屬板電阻

High Precision 高精密度電阻

High Voltage 高壓電阻

Capacitor 電容器

General 一般電容

Safety 安規電容(X1Y2/X2Y3)

High/Medium Voltage 中/高壓電容(100V~3000V)

Dide 二極體

Schottky 蕭特基(1A~6A)(Low Vf)

Power Choke

< Leaded series 插件型 >

Resistors 電阻

Mini Ohmic 低阻電阻

Carbon Film 碳膜電阻

Wire Wound 繞線電阻

Metal Film 金屬膜電阻

Metal Oxide Film 金屬氧化皮膜電阻

Capacitor 電容

Safety 安規電容(X1Y1/X1Y2)

Ceramic Disc Capacitors 陶瓷電容

Dide 二極體

Schottky 蕭特基(1A~16A)

Power Chok

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SMD series 晶片型

Resistors 電阻 - High Power 高功率電阻

Size	Power Rating at 70°C	Max. RCWV	Max. Overload Voltage	Resistance Tolerance	Temperature Coefficient (TCR: ppm/°C)	Resistance Range	
						MIN	MAX
0603	1/8W	50V	100V	±1%(F)	±100 ⁽⁴⁾	1Ω	1MΩ
				±5%(J)	±200	0Ω,1Ω	1MΩ
0805	1/4W	150V	300V	±1%(F)	±100 ⁽⁵⁾	1Ω	1MΩ
				±5%(J)	±200	0Ω,1Ω	1MΩ
1206	1/2W	200V	400V	±1%(F)	±100	1Ω	1MΩ
				±5%(J)	±200	0Ω,1Ω	1MΩ
2010	1W	200V	400V	±1%(F)	±100	1Ω	1MΩ
				±5%(J)	±200	0Ω,1Ω	1MΩ
2512	2W	300V	600V	±1%(F)	±100	1Ω	10MΩ
				±5%(J)	±200	0Ω,1Ω	1MΩ

Note :

(1) 2512 2W loading with total solder-pad and trace size of 300 mm²

(2) $E = (P \times R)^{1/2}$ E : Working Voltage(V) , P : Rated Power(W) , R : Resistance Value(Ω)

(3) Jumper(0Ω): 0603 max. resistance <20mΩ and rated current <2A

0805 max. resistance <20mΩ and rated current <4A

2512, 2010 max. resistance <20mΩ and rated current <6A

(4) Type : FPF05 ±1%(F) (1Ω ~ 9.76Ω) -55°C T.C.R= ±150 ppm/°C

(5) Type : FPF03 ±1%(F) (1Ω ~ 9.76Ω) -55°C T.C.R= ±200 ppm/°C

SMD series 晶片型

Resistors 電阻 - High Power 高功率電阻 (低阻值)

Size	Power Rating at 70 °C	Max. RCWV	Max. Overload Voltage	Resistance Tolerance	Temperature Coefficient (TCR : ppm / °C)	Resistance Range	
						MIN	MAX
0603	1/4W	477mV	954mV	±1%(F)	±200	47mΩ	91mΩ
				±5%(J)	±150*	100mΩ	910mΩ
0805	1/3W	551mV	1102mV	±1%(F)	±200	47mΩ	91mΩ
				±5%(J)	±100	100mΩ	910mΩ
1206	1/2W	675mV	1349mV	±1%(F) ±5%(J)	±100*	47mΩ	91mΩ
2010	1W	954mV	1908mV		±100		
2512	2W	1349mV	2698mV			22mΩ	39mΩ

Note :

(*)2W loading with total solder-pad and trace size of 300 mm²

(**) $E = (P \times R) / 2$ E : Working Voltage(V) , P : Rated Power(W) , R : Resistance Value(Ω)

Resistance 47m~91mΩ Temperature 25°C~-55°C,150ppm for 2512,2010, 200ppm for 1206

Resistance 100m~910mΩ Temperature 25°C~-55°C,150ppm for 0805, 200ppm for 0603