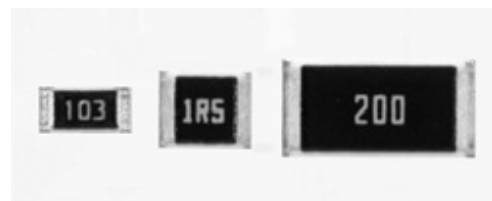


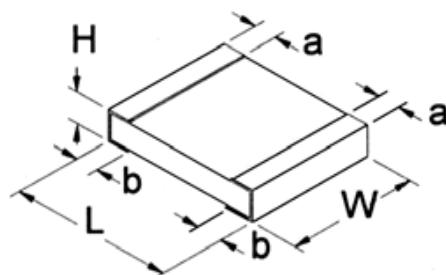
特長 / Features:

- 大電力用チップ抵抗器
- ニッケルメッキ端子が標準
- Power derating は、100% (70°C) ~ 0% (150°C) に変化
- High Power Rating
- Nickel Barrier terminations standard
- Power derating from 100% at 70°C to zero at +155°C



定格 / Electrical Specifications								
形名 Type / Code	サイズ Package Type	定格電力 Power Rating (Watts) @ 70°C	最高使用電圧 Maximum Working Voltage (1)	最高過負荷電圧 Maximum Overload Voltage	最大電流 Maximum Current	抵抗温度係数 Resistance Temperature Coefficient	抵抗値範囲(Ω) / 抵抗値許容差 Ohmic Range (Ω) and Tolerance	
							1%	5%
RMCP 0402	0402	0.1W	50V	100V	1 Amp	± 200 ppm/°C ± 100 ppm/°C ± 200 ppm/°C	1 - 9.76 10 - 1M 1.02M - 10M	1 - 9.76 10 - 1M 1.02M - 10M
RMCP 0603	0603	0.125W	50V	100V	1 Amp	± 200 ppm/°C ± 100 ppm/°C ± 200 ppm/°C	1 - 9.76 10 - 1M 1.02M - 10M	1 - 9.76 10 - 1M 1.02M - 10M
RMCP 0805	0805	0.25W	150V	300V	2 Amp	± 200 ppm/°C ± 100 ppm/°C ± 200 ppm/°C	1 - 9.76 10 - 1M 1.02M - 10M	1 - 9.76 10 - 1M 1.02M - 10M
RMCP 1206	1206	0.33W	200V	400V	2 Amp	± 200 ppm/°C ± 100 ppm/°C ± 200 ppm/°C	1 - 9.76 10 - 1M 1.02M - 10M	1 - 9.76 10 - 1M 1.02M - 10M
RMCP 1210	1210	0.5W	200V	400V	3 Amp	± 200 ppm/°C ± 100 ppm/°C ± 200 ppm/°C	1 - 9.76 10 - 1M 1.02M - 10M	1 - 9.76 10 - 1M 1.02M - 10M
RMCP 2010	2010	1W	200V	400V	3 Amp	± 200 ppm/°C ± 100 ppm/°C ± 200 ppm/°C	1 - 9.76 10 - 1M 1.02M - 10M	1 - 9.76 10 - 1M 1.02M - 10M
RMCP 2512	2512	2W	200V	400V	3 Amp	± 200 ppm/°C ± 100 ppm/°C ± 200 ppm/°C	1 - 9.76 10 - 1M 1.02M - 10M	1 - 9.76 10 - 1M 1.02M - 10M

(1) 定格電圧は、 $\sqrt{\text{定格電力} \times \text{公称抵抗値}}$ による計算値、又は最高使用電圧のいずれか小さい方の値とする。
Lesser of \sqrt{PR} or maximum working voltage.



外形寸法 / Mechanical Specifications

形名 Type / Code	寸法 / Dimensions (mm)				
	L : Body Length	W : Body Width	H : Body Height	a : Top Termination	b : Bottom Termination
RMCP 0402	1.00 ± 0.05	0.50 ± 0.05	0.35 ± 0.05	0.20 ± 0.10	0.20 ± 0.10
RMCP 0603	1.60 ± 0.10	0.80 ± 0.10	0.45 ± 0.10	0.30 ± 0.20	0.30 ± 0.20
RMCP 0805	2.00 ± 0.10	1.25 ± 0.10	0.50 ± 0.10	0.35 ± 0.20	0.40 ± 0.20
RMCP 1206	3.10 ± 0.10	1.55 ± 0.10	0.55 ± 0.10	0.50 ± 0.25	0.50 ± 0.20
RMCP 1210	3.10 ± 0.10	2.60 ± 0.15	0.55 ± 0.10	0.50 ± 0.25	0.50 ± 0.20
RMCP 2010	5.00 ± 0.10	2.50 ± 0.15	0.55 ± 0.10	0.60 ± 0.25	0.50 ± 0.20
RMCP 2512	6.35 ± 0.10	3.10 ± 0.15	0.55 ± 0.10	0.60 ± 0.25	0.50 ± 0.20

性能 / Performance Characteristics

試験項目 Test	試験条件 Test Conditions (JIS C 5201-1)	規格値 Test Results
短時間過負荷 Short Time Overload	2.5x rated voltage for 5 seconds	± (2% + 0.1Ω)
絶縁耐電圧 Dielectric Withstanding Voltage	100 VAC, 1 minute	± (1% + 0.05Ω)
はんだ耐熱性 Resistance to Soldering Heat	260°C ± 5°C, for 10 sec. ± 0.5 sec. (Solder Bath)	± (1% + 0.05Ω)
はんだ付け性 Solderability	235°C ± 5°C, for 2 sec. ± 0.5 sec. (Colophonium flux)	95% coverage, minimum
温度サイクル Temperature Cycle	-65°C: 30 min. 25°C: 2 to 3 min. 155°C: 30 min. 25°C: 2 to 3 min. (5 Cycles)	± (1% + 0.05Ω) Jumper (<0.05Ω)
高温高湿(定常) Endurance (Damp load)	40°C ± 2°C, 90% RH, Rated Load 90 min. On, 30 min. Off for 1,000 hrs. -0hrs./+48hrs.	± (3% + 0.1Ω) Jumper (<0.05Ω)
耐久性(定格) Endurance (Rated load)	70°C ± 2°C, Rated Load 90 min. On, 30 min. Off for 1,000 hrs. -0hrs./+48hrs.	± (3% + 0.1Ω) Jumper (<0.05Ω)
電圧係数 Voltage Coefficient	1/10 rated voltage for 3 sec. max. then rated voltage for 3 sec. max.	± 100 (ppm/V)
端子強度 Robustness of Termination	Bend of 3mm for 5 ± 1 sec.	± (1% + 0.05 Ω)

使用温度範囲 / Operating Temperature Range: -55°C - 155°C

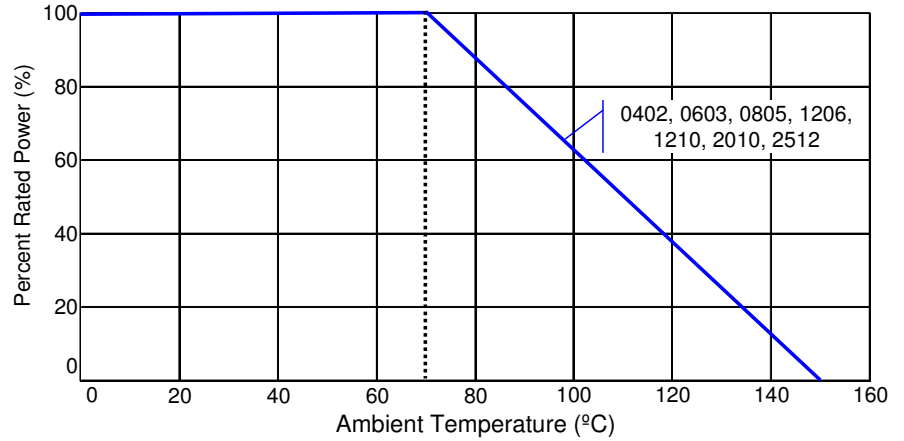
RMCP Series

汎用大電力厚膜チップ抵抗器 / General Purpose High Power Thick Film Chip Resistor

Stackpole Electronics, Inc.

Resistive Product Solutions

Power Derating Curve:



形名構成 / How to Order

1	2	3	4	5	6	7	8	9	10	11	12	13	14
R	M	C	P	0	6	0	3	J	T	4	K	7	0
品種 Product Series		サイズ Size	定格電力 Power Rating	抵抗値許容差 Tolerance		包装形状 Packaging				抵抗値 Resistance Value			
RMCP	High Power	0402	0.1W	Code	Tol	Code	Description	Size	Quantity	10進数の4桁表示 Four characters with the multiplier used as the decimal holder. 1 Ω = 1R00 10 kΩ = 10K0 1 MΩ = 1M00			
		0603	0.125W	F	1%	T	7" reel paper tape	0402	10,000				
		0805	0.25W	J	5%			0603, 0805, 1206, 1210	5,000				
		1206	0.33W			G	10" reel paper tape	2010, 2512	4,000				
		1210	0.5W					0603, 0805, 1206, 1210	10,000				
		2010	1W										
		2512	2W										