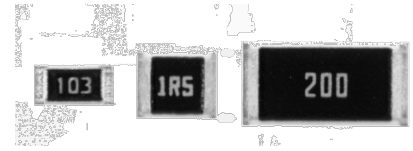


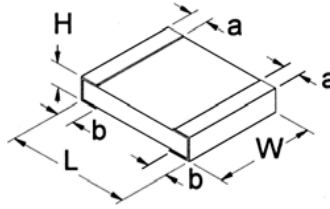
- Features:
- Gold terminations are completely impervious to sulfur
 - Zero ohm available (max resistance 0.05Ω)
 - RoHS compliant



Electrical Specifications						
Type / Code	Power Rating (Watts) @ 70°C	Maximum Working Voltage ⁽¹⁾	Maximum Overload Voltage	Resistance Temperature Coefficient	Ohmic Range (Ω) and Tolerance	
					1%	2%, 5%
RMCG0402	0.063W	50V	100V	-0/+600 ppm/°C	1 - 3.6	
				± 350 ppm/°C	3.9 - 9.1	
				± 200 ppm/°C	10 - 1M	
				± 350 ppm/°C	1.1M - 10M	
RMCG0603	0.1W	50V	100V	± 350 ppm/°C	1 - 9.1	
				± 200 ppm/°C	-	10 - 1M
				± 100 ppm/°C	10 - 1M	-
				± 350 ppm/°C	1.1M - 10M	
RMCG0805	0.125W	150V	300V	± 350 ppm/°C	1 - 3.6	
				± 250 ppm/°C	3.9 - 9.1	
				± 200 ppm/°C	-	10 - 1M
				± 100 ppm/°C	10 - 1M	-
				± 250 ppm/°C	1.1M - 5.1M	
RMCG1206	0.25W	200V	400V	± 350 ppm/°C	1 - 3.6	
				± 250 ppm/°C	3.9 - 9.1	
				± 200 ppm/°C	-	10 - 1M
				± 100 ppm/°C	10 - 1M	-
				± 250 ppm/°C	1.1M - 5.1M	
RMCG1210	0.333W	200V	400V	± 350 ppm/°C	1 - 3.6	
				± 250 ppm/°C	3.9 - 9.1	
				± 200 ppm/°C	-	10 - 1M
				± 100 ppm/°C	10 - 1M	-
				± 250 ppm/°C	1.1M - 5.1M	
RMCG2010	0.75W	200V	400V	± 350 ppm/°C	1 - 2	1 - 3.6
				± 250 ppm/°C	2.2 - 9.1	3.9 - 9.1
				± 200 ppm/°C	-	10 - 1M
				± 100 ppm/°C	10 - 1M	-
				± 250 ppm/°C	1.1M - 5.1M	
RMCG2512	1W	200V	400V	± 350 ppm/°C	1 - 3.6	
				± 250 ppm/°C	3.9 - 9.1	
				± 200 ppm/°C	-	10 - 1M
				± 100 ppm/°C	10 - 1M	-
				± 250 ppm/°C	1.1M - 5.1M	
RMCG2512	1W	200V	400V	± 350 ppm/°C	5.6M - 10M	
				± 250 ppm/°C	1.1M - 5.1M	
				± 200 ppm/°C	-	10 - 1M
				± 100 ppm/°C	10 - 1M	-
				± 250 ppm/°C	1.1M - 5.1M	

(1) Lesser of \sqrt{PR} or maximum working voltage.

Mechanical Specifications



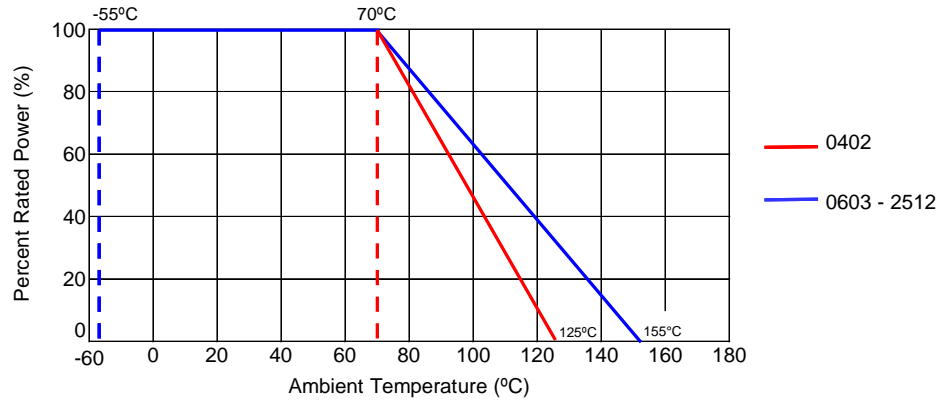
Type / Code	L Body Length	W Body Width	H Body Height	a Top Termination	b Bottom Termination	Unit
RMCG0402	0.039 ± 0.002 1.00 ± 0.05	0.020 ± 0.002 0.50 ± 0.05	0.014 ± 0.002 0.35 ± 0.05	0.008 ± 0.004 0.20 ± 0.10	0.010 ± 0.004 0.25 ± 0.10	inches mm
RMCG0603	0.063 ± 0.004 1.60 ± 0.10	0.031 ± 0.004 0.80 ± 0.10	0.018 ± 0.004 0.45 ± 0.10	0.012 ± 0.008 0.30 ± 0.20	0.012 ± 0.008 0.30 ± 0.20	inches mm
RMCG0805	0.079 ± 0.008 2.00 ± 0.20	0.049 ± 0.004 1.25 ± 0.10	0.020 ± 0.006 0.50 ± 0.15	0.016 ± 0.008 0.40 ± 0.20	0.016 ± 0.008 0.40 ± 0.20	inches mm
RMCG1206	0.126 ± 0.008 3.20 ± 0.20	0.063 ± 0.006 1.60 ± 0.15	0.022 ± 0.006 0.55 ± 0.15	0.020 ± 0.010 0.50 ± 0.25	0.020 ± 0.010 0.50 ± 0.25	inches mm
RMCG1210	0.126 ± 0.008 3.20 ± 0.20	0.098 ± 0.008 2.50 ± 0.20	0.022 ± 0.006 0.55 ± 0.15	0.020 ± 0.010 0.50 ± 0.25	0.020 ± 0.010 0.50 ± 0.25	inches mm
RMCG2010	0.197 ± 0.008 5.00 ± 0.20	0.098 ± 0.008 2.50 ± 0.20	0.022 ± 0.006 0.55 ± 0.15	0.024 ± 0.010 0.60 ± 0.25	0.024 ± 0.010 0.60 ± 0.25	inches mm
RMCG2512	0.248 ± 0.008 6.30 ± 0.20	0.126 ± 0.008 3.20 ± 0.20	0.022 ± 0.006 0.55 ± 0.15	0.024 ± 0.010 0.60 ± 0.25	0.024 ± 0.010 0.60 ± 0.25	inches mm

Performance Characteristics

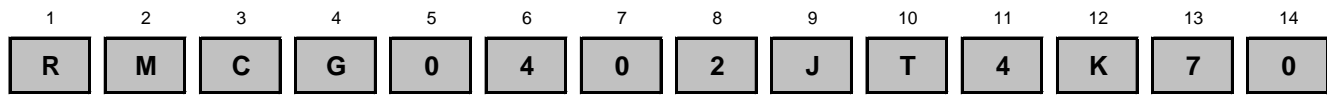
Test	Test Conditions (JIS C 5202)	Test Results
Short Time Overload	2.5x rated voltage for 5 seconds	± (2% + 0.1Ω)
Dielectric Withstanding Voltage	100 VAC, 1 minute	± (1% + 0.05Ω)
Resistance to Soldering Heat	260°C ±5°C, for 10 sec. ±0.5 sec. (Solder Bath)	± (1% + 0.05Ω)
Solderability	245°C ±5°C, for 3 sec. ±0.5 sec. (Colophonium flux)	95% coverage, minimum
Temperature Cycle (100 cycles)	-55°C: 30 min. 25°C: 2 to 3 min. 125°C: 30 min. 25°C: 2 to 3 min.	±(1% + 0.05Ω) Jumper (<0.05Ω)
Endurance (Damp load)	60°C ± 2°C, 90% RH, Rated Load 90 min. On, 30 min. Off (1,000 hrs. -0hrs. +48hrs.)	±(3% + 0.1Ω) Jumper (<0.05Ω)
Endurance (Rated load)	70°C ± 2°C, Rated Load 90 min. On, 30 min. Off (1,000 hrs. -0hrs. +48hrs.)	±(3% + 0.1Ω) Jumper (<0.05Ω)
Voltage Coefficient	1/10 rated voltage for 3 sec. max. then rated voltage for 3 sec. max.	±100 (ppm/V)
Robustness of Termination	Bend of 3mm for 5 ± 1 sec.	± (1% + 0.05 Ohm)

Operating Temperature Range: -55°C to +125°C (0402)
-55°C to +155°C (0603 - 2512)

Power Derating Curve:



How to Order



Product Series		Size	Power	Tolerance		Packaging				Resistance Value
RMCG	Gold Termination	0402	0.063W	Code	Tol	T	7" Reel Paper Tape	0402	10,000	Four characters with the multiplier used as the decimal holder. 3.9 ohm = 3R90 10 Kohm = 10K0 1.1 Mohm = 1M10
		0603	0.100W	F	1%			0603, 0805	5,000	
		0805	0.125W	G	2%	1206, 1210				
		1206	0.250W	J	5%		7" Reel Plastic Tape	2010, 2512	4,000	
		1210	0.333W							
		2010	0.750W							
		2512	1.000W							