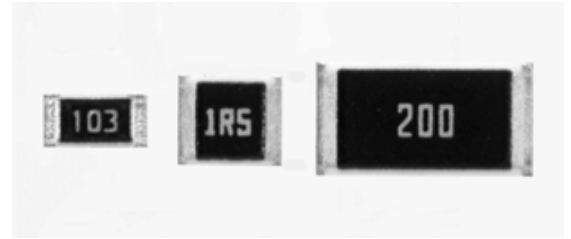


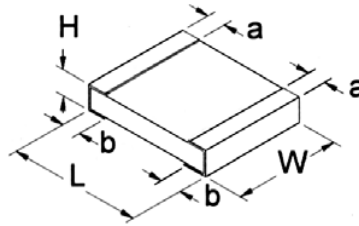
- Features:
- Barrier terminations engineered to deter sulfur contamination
  - Non-standard resistance values available
  - Operating temp range from -55°C to +155°C
  - Zero ohm available (max resistance 0.05Ω)
  - RoHS compliant / lead-free



Electrical Specifications									
Type / Code	Old Pkg Code	Power Rating (Watts) @ 70°C	Maximum Working Voltage(1)	Maximum Overload Voltage(2)	Maximum Current Jumper (Amp)	Resistance Temperature Coefficient	Ohmic Range (Ω) and Tolerance		
							0.5%	1%	5%
RMCS0201	1/20	0.05W	25V	50V	1 amp	± 200 ppm/°C	-	1 - 10M	1 - 10M
RMCS0402	1/16S	0.063W	50V	100V	1 amp	± 200 ppm/°C	1 - 9.76	1 - 9.76	1 - 9.76
						± 100 ppm/°C	10 - 1M	10 - 1M	10 - 1M
						± 200 ppm/°C	1.02M - 10M	1.02M - 10M	1.02M - 10M
RMCS0603	1/16	0.1W	50V	100V	1 amp	± 200 ppm/°C	1 - 9.76	1 - 9.76	1 - 9.76
						± 100 ppm/°C	10 - 1M	10 - 1M	10 - 1M
						± 200 ppm/°C	1.02M - 10M	1.02M - 10M	1.02M - 10M
RMCS0805	1/10	0.125W	150V	300V	2 amps	± 200 ppm/°C	1 - 9.76	1 - 9.76	1 - 9.76
						± 100 ppm/°C	10 - 1M	10 - 1M	10 - 1M
						± 200 ppm/°C	1.02M - 10M	1.02M - 10M	1.02M - 10M
RMCS1206	1/8	0.25W	200V	400V	2 amps	± 200 ppm/°C	1 - 9.76	1 - 9.76	1 - 9.76
						± 100 ppm/°C	10 - 1M	10 - 1M	10 - 1M
						± 200 ppm/°C	1.02M - 10M	1.02M - 10M	1.02M - 10M
RMCS1210	1/4	0.33W	200V	400V	2.5 amps	± 200 ppm/°C	1 - 9.76	1 - 9.76	1 - 9.76
						± 100 ppm/°C	10 - 1M	10 - 1M	10 - 1M
						± 200 ppm/°C	1.02M - 10M	1.02M - 10M	1.02M - 10M
RMCS2010	1/2	0.75W	200V	400V	3.5 amps	± 200 ppm/°C	1 - 9.76	1 - 9.76	1 - 9.76
						± 100 ppm/°C	10 - 1M	10 - 1M	10 - 1M
						± 200 ppm/°C	1.02M - 10M	1.02M - 10M	1.02M - 10M
RMCS2512	1	1W	250V	500V	4 amps	± 200 ppm/°C	1 - 9.76	1 - 9.76	1 - 9.76
						± 100 ppm/°C	10 - 1M	10 - 1M	10 - 1M
						± 200 ppm/°C	1.02M - 10M	1.02M - 10M	1.02M - 10M

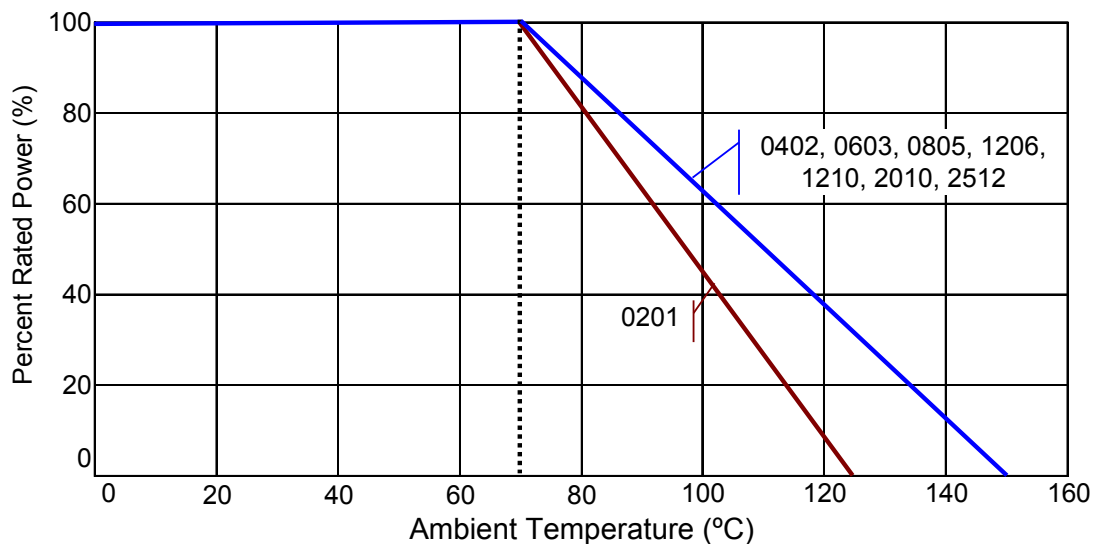
(1) Working Voltage =  $\sqrt{P \cdot R}$  or Max Working Voltage listed above, whichever is lower.

(2) Overload Voltage =  $2.5 \cdot \sqrt{P \cdot R}$  or Max Overload Voltage listed above, whichever is lower.

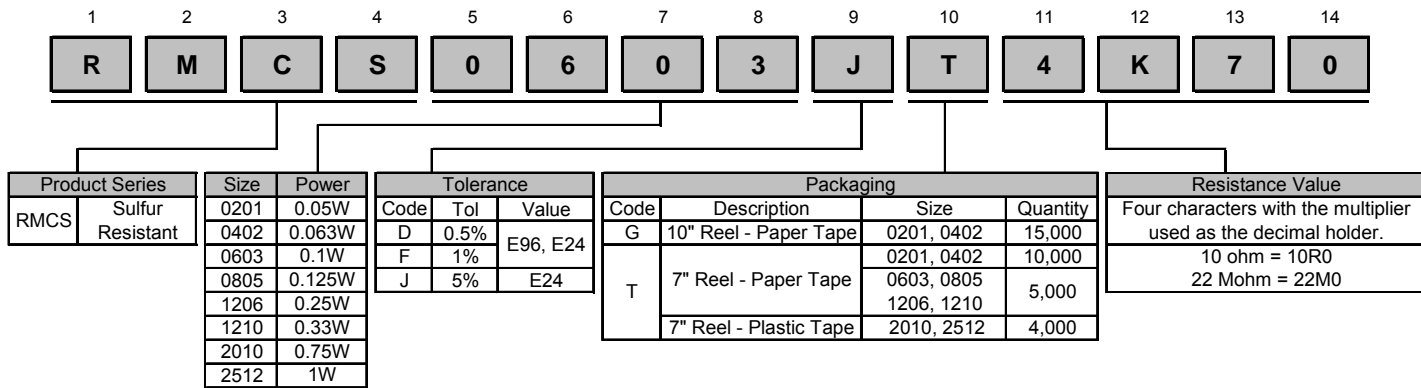


Mechanical Specifications						
Type / Code	L Body Length	W Body Width	H Body Height	a Top Termination	b Bottom Termination	Unit
RMCS0201	0.024 ± 0.001	0.012 ± 0.001	0.009 ± 0.001	0.006 ± 0.002	0.006 ± 0.002	inches
	0.60 ± 0.03	0.30 ± 0.03	0.23 ± 0.03	0.15 ± 0.05	0.15 ± 0.05	mm
RMCS0402	0.039 ± 0.002	0.020 ± 0.002	0.014 ± 0.002	0.008 ± 0.004	0.008 ± 0.004	inches
	1.00 ± 0.05	0.50 ± 0.05	0.35 ± 0.05	0.20 ± 0.10	0.20 ± 0.10	mm
RMCS0603	0.063 ± 0.004	0.031 ± 0.004	0.018 ± 0.004	0.012 ± 0.008	0.012 ± 0.008	inches
	1.60 ± 0.10	0.80 ± 0.10	0.45 ± 0.10	0.30 ± 0.20	0.30 ± 0.20	mm
RMCS0805	0.079 ± 0.004	0.049 ± 0.004	0.020 ± 0.004	0.014 ± 0.008	0.016 ± 0.008	inches
	2.00 ± 0.10	1.25 ± 0.10	0.50 ± 0.10	0.35 ± 0.20	0.40 ± 0.20	mm
RMCS1206	0.122 ± 0.004	0.061 ± 0.004	0.022 ± 0.004	0.020 ± 0.010	0.020 ± 0.008	inches
	3.10 ± 0.10	1.55 ± 0.10	0.55 ± 0.10	0.50 ± 0.25	0.50 ± 0.20	mm
RMCS1210	0.122 ± 0.004	0.102 ± 0.006	0.022 ± 0.004	0.020 ± 0.010	0.020 ± 0.008	inches
	3.10 ± 0.10	2.60 ± 0.15	0.55 ± 0.10	0.50 ± 0.25	0.50 ± 0.20	mm
RMCS2010	0.197 ± 0.004	0.098 ± 0.006	0.022 ± 0.004	0.024 ± 0.010	0.020 ± 0.008	inches
	5.00 ± 0.10	2.50 ± 0.15	0.55 ± 0.10	0.60 ± 0.25	0.50 ± 0.20	mm
RMCS2512	0.250 ± 0.004	0.122 ± 0.006	0.022 ± 0.004	0.024 ± 0.010	0.020 ± 0.008	inches
	6.35 ± 0.10	3.10 ± 0.15	0.55 ± 0.10	0.60 ± 0.25	0.50 ± 0.20	mm

**Power Derating Curve:**



**How to Order**



Legacy Part Number (before January 3, 2011):

SEI Type		Code			Nominal Resistance	Tolerance		Packaging			
<b>RMCS</b>		<b>1/16</b>			<b>4.7K</b>	<b>5%</b>		<b>R</b>			
Type	Description	Code	Wattage	Size		Tolerance	Values	SEI Types	Pkg Qty	Description	Code
RMCS	Sulfur Resistant	1/20	0.05W	0201		0.5%	E96, E24	0201, 0402	15,000	10" reel - paper tape	G
		1/16S	0.063W	0402		1%			10,000	7" reel - paper tape	R
		1/16	0.1W	0603		5%		E24	0603, 0805, 1206, 1210	5,000	7" reel - paper tape
		1/10	0.125W	0805				2010, 2512	4,000	7" reel - plastic tape	
		1/8	0.25W	1206							
		1/4	0.33W	1210							
		1/2	0.75W	2010							
		1	1W	2512							