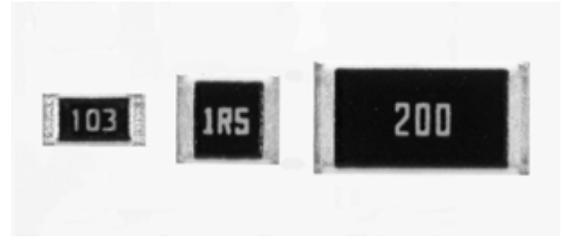


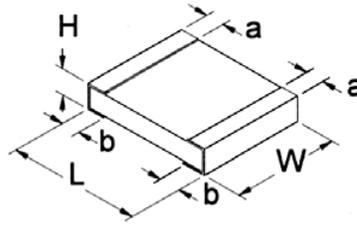
- Features:
- Barrier terminations engineered to deter sulfur contamination
 - Non-standard resistance values available
 - Operating temp range from -55°C to +155°C
 - Zero ohm available (max resistance 0.05Ω)
 - RoHS compliant / lead-free



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

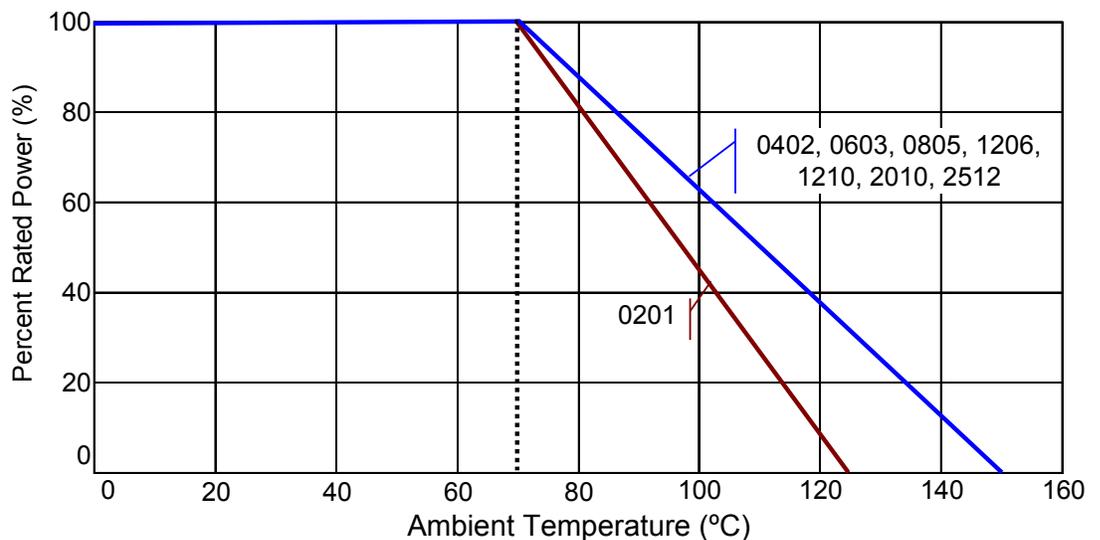
(1) Working Voltage = $\sqrt{P \cdot R}$ or Max Working Voltage listed above, whichever is lower.

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

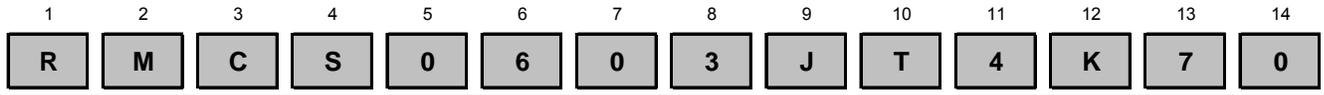


Mechanical Specifications						
Type / Code	L Body Length	W Body Width	H Body Height	a Top Termination	b Bottom Termination	Unit
RMCS0201	0.024 ± 0.001	0.012 ± 0.001	0.009 ± 0.001	0.006 ± 0.002	0.006 ± 0.002	inches
	0.60 ± 0.03	0.30 ± 0.03	0.23 ± 0.03	0.15 ± 0.05	0.15 ± 0.05	mm
RMCS0402	0.039 ± 0.002	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



Product Series		Size	Power	Tolerance			Packaging				Resistance Value			
RMCS	Sulfur Resistant	0201	0.05W	Code	Tol	Value	Code	Description	Size	Quantity	Four characters with the multiplier used as the decimal holder. 10 ohm = 10R0 22 Mohm = 22M0			
		0402	0.063W	D	0.5%	E96, E24	G	10" Reel - Paper Tape	0201, 0402	15,000				
		0603	0.1W	F	1%		T	7" Reel - Paper Tape	0603, 0805 1206, 1210	5,000				
		0805	0.125W	J	5%	E24								
		1206	0.25W									7" Reel - Plastic Tape	2010, 2512	4,000
		1210	0.33W											
		2010	0.75W											
		2512	1W											

Legacy Part Number (before January 3, 2011):

SEI Type		Code			Nominal Resistance	Tolerance		Packaging			
RMCS		1/16			4.7K	5%		R			
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							