

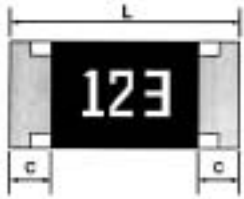


Metuchen Capacitors, Inc.
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“We Offer Quick Solutions to Noise Pollution”

Fixed Thick Film Chip Resistors RMC 1/20, 1/16S, 1/10, 1/8, 1/4, 1/2, 1

Dimensions and Structure



Style	Metric	Inch	L	W	H	c	d	*Unit weight/pc.
RMC1/20	0603	0201	0.6±0.03	0.3±0.03	0.23±0.03	0.1±0.05	0.15±0.05	0.16 mg
RMC1/16S	1005	0402	1.0±0.05	0.5±0.05	0.35±0.05	0.2±0.1	0.25±0.05	0.6 mg
RMC1/16	1608	0603	1.6±0.1	0.8±0.05	0.45±0.10	0.3±0.1	0.3±0.1	2 mg
RMC1/10	2012	0805	2.0±0.1	1.25±0.10	0.55±0.10	0.4±0.2	0.4±0.2	5 mg
RMC1/8	3216	1206	3.2±0.15	1.6±0.15	0.55±0.10	0.5±0.25	0.5±0.25	9 mg
RMC1/4	3225	1210	3.2±0.15	2.5±0.15	0.55±0.15	0.5±0.25	0.5±0.25	16 mg
RMC1/2	5025	2010	5.0±0.15	2.5±0.15	0.55±0.15	0.6±0.2	0.6±0.2	25 mg
RMC1	6332	2512	6.3±0.15	3.2±0.15	0.55±0.15	0.6±0.2	0.6±0.2	40 mg

Resistance is marked with 3-digits on the over coating except RMC1/16S & RMC1/20 type. 4-digit marking is available for F&G tolerance except RMC 1/16. RMC 1/16S & RMC 1/20 type.

*Values for reference.

Product Classification

RMC 1/10 K 103 F TP

Product Type

Packaging		
Code	Packaging	Application
B	Bulk (Loose Package)	All Styles
TP	Paper Tape	RMC1/16 RMC1/10 RMC1/8
TE	Embossed Tape	RMC1/4 RMC1/2 RMC1
TH	Paper Tape (2mm pitch)	RMC1/20 RMC1/16S RMC1/16
PA	Press-Pocket Paper-Taping	RMC1/20
BA	Bulk Case	RMC1/16 RMC1/10 RMC1/8

Rated Dissipation & Size				
Code	Rated Dissipation (Jumper's Rated Current)	Size		
		Metric	Inch	
1/20	0.05W (1A)	0603	0201	
1/16S	0.063W (1A)	1005	0402	
1/16	0.1W (1A)	1608	0603	
1/10	0.125W (2A)	2016	0805	
1/8	0.25W (2A)	3216	1206	
1/4	0.25W (2A)	3225	1210	
1/2	0.5W (2A)	5025	2010	
1	1.0W (2A)	6332	2512	

Temperature Coefficient of Resistance		
Code	Temperature Coefficient of Resistance	Application
—	Standard	Resistor
K	±100 × 10 ⁻⁴ /°C	
None	—	Jumper

Rated Resistance		
Rated Resistance		Application
E24 Series e.g.: 2R2=2.2 ohm 103=10k ohm	3Digit	Resistor
E96 Series e.g.: 10R2=10.2 ohm 1002=10k ohm	4Digit	
JP		Jumper

Tolerance on Rated Resistance		
Code	Temperature on Rated Resistance	Application
F	± 1%	Resistor
G	± 2%	
J	± 5%	
K	± 10%	
None	—	Jumper

Ratings

Style	Rated Dissipation at 70° W	Rated Current of Jumper A	Limiting Element Voltage V	Temperature Coefficient of Resistance 10 ⁻⁴ /°C	Combinations of Resistance Range and Tolerance				Isolation Voltage V	Category Temperature Range °C
					F(±1%) E96 Series E24 Series	G(±2%) E24 Series	J(±5%) E24 Series	K(±10%) E12 Series		
RMC1/20	0.05	1.0	25	±200	100ohm-1Mohm	100ohm-1Mohm	100ohm-1Mohm	50	-55+125	
RMC1/16S	0.1			50	±300	10ohm-97.6ohm	10ohm-91ohm			10ohm-91ohm
					±100	100ohm-1Mohm	—			—
RMC1/16				100	±200	10ohm-5.6Mohm	10ohm-2.2Mohm			10ohm-10Mohm
					±500	1ohm-9.76ohm	—			1ohm-9.1ohm
RMC1/10				0.125	150	±100	100ohm-1Mohm			—
			±200			10ohm-10Mohm	10ohm-10Mohm	10ohm-22Mohm		
RMC1/8	0.25		200		+500—200	1ohm-9.76ohm	1ohm-9.1ohm	1ohm-9.1ohm		
					+1000+300	—	—	—		
RMC1/4			0.5		500	±100	100ohm-1Mohm	—		—
						±200	10ohm-10Mohm	10ohm-10Mohm		10ohm-22Mohm
RMC1/2				1.0	200	+500—200	1ohm-9.76ohm	—		1ohm-9.1ohm
		+1000+300				—	—	—		
RMC1	1.0	500			±100	10ohm-1Mohm	—	—		
					±200	10ohm-1Mohm	10ohm-1Mohm	10ohm-22Mohm		
RMC1		1.0	500		+500—200	1ohm-9.76ohm	—	1ohm-9.1ohm		
					+1000+300	—	—	—		
RMC1			1.0	500	±100	100ohm-1Mohm	—	—		
					±200	10ohm-1Mohm	10ohm-1Mohm	10ohm-22Mohm		
RMC1	1.0			500	+500—200	1ohm-9.76ohm	—	1ohm-9.1ohm		
					+1000+300	—	—	—		

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