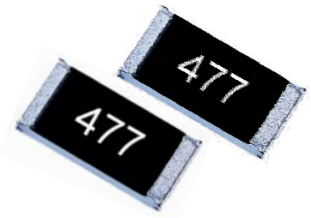
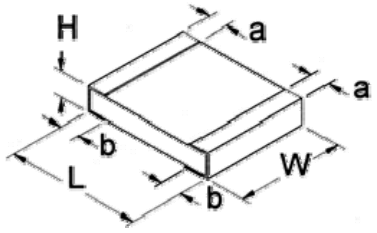
Features:

- R Value extension of RMC product
- Highly stable performance over time
- Power derating from 100% at 70ºC to zero at 125ºC
- E12 and E24 values
- Nickel barrier terminations
- RoHS compliant / lead-free



Electrical Specifications						
Type / Code	Old Pkg Code	Power Rating (Watts) @ 70ºC	Maximum Working Voltage (1)	Maximum Overload Voltage	Resistance Temperature Coefficient	Ohmic Range (Ω) and Tolerance
						1%, 5%, 10%
HMC0402	1/16S	0.063W	50V	100V	±200 ppm/ºC ±400 ppm/ºC	11M - 20M 20.5M - 100M
HMC0603	1/16	0.1W	50V	100V	±200 ppm/ºC ±400 ppm/ºC ±500 ppm/ºC	10M - 20M 20.5M - 100M 43M - 1G
HMC0805	1/10	0.125W	150V	300V	±200 ppm/ºC ±400 ppm/ºC ±500 ppm/ºC ±1500 ppm/ºC	10M - 20M 20.5M - 100M 4.3M - 1G 1.2G - 10G
HMC1206	1/8	0.25W	200V	400V	±200 ppm/ºC ±400 ppm/ºC ±500 ppm/ºC ±1500 ppm/ºC	10M - 20M 20.5M - 100M 4.3M - 1G 1.2G - 10G
HMC1210	1/4	0.33W	200V	400V	±200 ppm/ºC ±400 ppm/ºC	10M - 20M 20.5M - 39M
HMC2010	1/2	0.75W	200V	400V	±200 ppm/ºC ±400 ppm/ºC	10M - 20M 20.5M - 39M
HMC2512	1	1W	250V	500V	±200 ppm/ºC ±400 ppm/ºC	10M - 20M 20.5M - 39M

(1) Lesser of √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
HMC0402	0.039 ± 0.002 1 ± 0.05	0.02 ± 0.002 0.5 ± 0.05	0.014 ± 0.002 0.35 ± 0.05	0.008 ± 0.004 0.2 ± 0.1	0.008 ± 0.004 0.2 ± 0.1	inches mm
HMC0603	0.063 ± 0.004 1.6 ± 0.1	0.032 ± 0.004 0.8 ± 0.1	0.018 ± 0.004 0.45 ± 0.1	0.012 ± 0.008 0.3 ± 0.2	0.012 ± 0.008 0.3 ± 0.2	inches mm
HMC0805	0.079 ± 0.008 2 ± 0.2	0.049 ± 0.004 1.25 ± 0.1	0.02 ± 0.004 0.5 ± 0.1	0.016 ± 0.008 0.4 ± 0.2	0.016 ± 0.008 0.4 ± 0.2	inches mm
HMC1206	0.122 ± 0.006 3.1 ± 0.15	0.061 ± 0.004 1.55 ± 0.1	0.022 ± 0.006 0.55 ± 0.15	0.02 ± 0.010 0.5 ± 0.25	0.02 ± 0.008 0.5 ± 0.2	inches mm
HMC1210	0.126 ± 0.008 3.2 ± 0.2	0.102 ± 0.006 2.6 ± 0.15	0.022 ± 0.004 0.55 ± 0.1	0.02 ± 0.008 0.5 ± 0.2	0.02 ± 0.008 0.5 ± 0.2	inches mm
HMC2010	0.197 ± 0.008 5 ± 0.2	0.098 ± 0.006 2.5 ± 0.15	0.022 ± 0.004 0.55 ± 0.1	0.024 ± 0.01 0.6 ± 0.25	0.02 ± 0.008 0.5 ± 0.2	inches mm
HMC2512	0.25 ± 0.008 6.35 ± 0.2	0.126 ± 0.006 3.2 ± 0.15	0.022 ± 0.004 0.55 ± 0.1	0.024 ± 0.01 0.6 ± 0.25	0.02 ± 0.008 0.5 ± 0.2	inches mm

Performance Characteristics		
Test	Test Conditions (JIS C 5202)	Test Results
Long Term Stability	Nominal temperature & humidity for 1,000 hrs.	± 0.5%
High Temperature Loading	15VDC, 1.5 hr. ON, 0.5 hr. OFF, 1,000 hrs. 70ºC	± 3%
Resistance to Solder Heat	260ºC ± 5ºC, 10 seconds +1/-0	± 1%
Short Time Overload	5 seconds at maximum overload voltage	± 2%
Voltage Coefficient of Resistance	Per JIS C 5202	± 0.5%/V

Operating Temperature Range: -55ºC to +125ºC

How to Order

1	2	3	4	5	6	7	8	9	10	11	12	13
H	M	C	0	8	0	5	F	T	4	7	M	0

Product Series	
HMC	High Value Thick Film

Size	Power
0402	0.063W
0603	0.1W
0805	0.125W
1206	0.25W
1210	0.33W
2010	0.75W
2512	1W

Tolerance	
Code	Tol
F	1%
J	5%
K	10%

Packaging			
Code	Description	Size	Quantity
T	7" reel paper tape	0402	10,000
		0201, 0603 0805, 1206 1210, 2010	5,000
		2512	4,000

Resistance Value
Four characters with the multiplier used as the decimal holder.
30 Mohm = 30M0
100 Mohm = 100M

Legacy Part Number (before January 3, 2011):

SEI Type	Code	Nominal Resistance	Tolerance	Packaging
HMC	1/10	47M	1%	R

Type	Description
HMC	High Value Thick Film

Code	Wattage	Size
1/16S	0.063W	0402
1/16	0.1W	0603
1/10	0.125W	0805
1/8	0.25W	1206
1/4	0.33W	1210
1/2	0.75W	2010
1	1W	2512

Tolerance	Values
1%	E12, E24
5%	
10%	

SEI Types	Pkg Qty	Description	Code
0402	10,000	7" reel paper tape	R
0603	5,000		R
0805, 1206			
1210, 2010			
2512	4,000		R