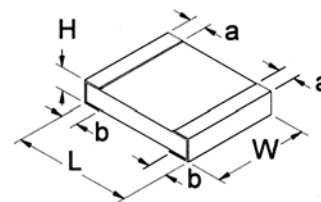


Features

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



Electrical Specifications

Type / Code	Package Type	Power Rating (Watts) @ 70°C	Maximum Working Voltage*	Maximum Overload Voltage	Resistance Temperature Coefficient	Ohmic Range and Tolerance
						5%, 10%, 20%
HMC 1/16	0603	0.063W	50V	100V	±500 ppm/°C ±1,500 ppm/°C	43MΩ – 1GΩ 1.2GΩ – 10GΩ
HMC 1/10	0805	0.100W	150V	300V	±500 ppm/°C ±1,500 ppm/°C	43MΩ – 1GΩ 1.2GΩ – 10GΩ
HMC 1/8	1206	0.125W	200V	400V	±500 ppm/°C ±1,500 ppm/°C	43MΩ – 1GΩ 1.2GΩ – 10GΩ

* 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	Units
HMC 1/16	0.063 ± 0.006 1.60 ± 0.15	0.031 ± 0.006 0.80 ± 0.15	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
HMC 1/10	0.079 ± 0.008 2.00 ± 0.20	0.049 ± 0.008 1.25 ± 0.20	0.020 ± 0.004 0.50 ± 0.10	0.016 ± 0.008 0.40 ± 0.20	0.016 ± 0.008 0.40 ± 0.20	inches mm
HMC 1/8	0.126 +0.002/-0.008 3.20 +0.05/-0.20	0.063 +0.002/-0.006 1.60 +0.05/-0.15	0.024 ± 0.004 0.60 ± 0.10	0.020 ± 0.010 0.50 ± 0.25	0.020 ± 0.012 0.50 ± 0.30	inches mm

Performance Characteristics

Test	Test Conditions (JIS C 5202)	Test Results
Long Term Stability	Normal temperature & humidity for 1,000 hrs.	±0.5%
High Temperature Loading	15V _{DC} , 1.5 hr. On, 0.5 hr. Off, 1,000 hrs. 70°C	±3%
Resistance to Solder Heat	260°C ± 5°C, 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 : -55°C to +125°C

How to Order

HMC		1/10		47M		10%		R			
SEI Type		Code		Nominal Resistance		Tolerance		Packaging			
SEI Type	Description	Code	Wattage	Size	Tolerance	Values		SEI Types	Pkg Qty	Description	Code
HMC	High Value Thick Film	1/16	0.063W	0603	5%	E12, E24		All	5,000	7" - Paper	R
		1/10	0.100W	0805	10%						
		1/8	0.125W	1206	20%						