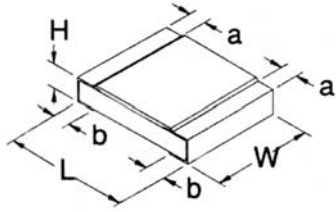


HMC 16, 10, 18



- MEGASTAR-OHM high value version of RMC product
- Small in size, lightweight, and ideal for application in labor-saving equipment
- A wide range of operating temperatures
- Stable performance obtained because of minimized changes with age
- 10% resistance value available with E<sub>12</sub> resistance values.
- Package size 0603, 0805, 1206 are also available at ±5%, ±10%, ±20%, ±30% and ±50% tolerance.

## PERFORMANCE CHARACTERISTICS

### RATINGS

Type	Package Size	Power Rating (Watts)	Maximum Working Voltage (DC)	Maximum Overload Voltage (DC)	Resistance Range (Ω)	Resistance Tolerance E <sub>24</sub>
HMC 1/16	0603	0.063W	50V	100V	10 <sup>0</sup> - 10 <sup>11</sup>	±5%
HMC 1/10	0805	0.1W	75V	150V	10 <sup>0</sup> - 10 <sup>11</sup>	±5%
HMC 1/8	1206	0.125W	150V	300V	10 <sup>0</sup> - 10 <sup>11</sup>	±5%

Environmental	Characteristics	Test Method
Long-term stability	±0.5%	Normal temperature and humidity for 1,000 hours
High temperature loading	±1%	15V DC, 1.5hr ON, 0.5hr OFF, 1,000hr 70°C
Resistance to soldering heat	±1%	260°C ±5°C, 10 seconds +1/-0
Short time overload	±2%	5 seconds at maximum overload voltage

## Part Numbering System

HMC 10 — 10M J I

Product Type
High value surface mount resistor

Packaging	
CODE	DETAIL
B	Bulk
T	Tape & Reel (paper carrier)

Please refer to packaging explanation on page 6.

Resistance Value	
Examples	
CODE	VALUES
10M	10 Meg Ω
56M	56 Meg Ω
100M	100 Meg Ω
1G	1 Gig Ω (1000 meg)

SIZE	
CODE	WATTAGE (SIZE)
16	1/16 watt (0603)
10	1/10 watt (0805)
18	1/8 watt (1206)

TOLERANCE	
CODE	%
J	±5%
K	±10%
M	±20%

HMC 16, 10, 18

DIMENSIONS: Inches (mm)			
FEATURE	HMC 16	HMC 10	HMC 18
L - Body Length	.063 ± .006 (1.6±0.15)	.079 ± .008 (2.0±0.2)	.125 ± .008 (3.2±0.2)
W - Body Width	.031 ± .006 (0.8±0.15)	.049 ± .008 (1.25±0.2)	.063 ± .008 (1.6±0.2)
H - Body Height	.018 ± .004 (0.45±0.1)	.016 ± .004 (0.4±0.1)	.020 ± .004 (0.5±0.1)
a - Top Termination	.012 ± .008 (0.3±0.2)	.016 ± .008 (0.4±0.2)	.020± .012 (0.5±0.3)
b - Bottom Termination	.012 ± .008 (0.3±0.2)	.016 ± .008 (0.4±0.2)	.020± .012 (0.5±0.3)