

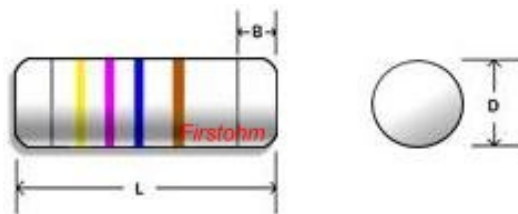
**QUALITY RELIABILITY COST-DOWN**

**Firstohm®**

## CM - Carbon Film MELF Resistor

### Specifications Per Features:

- IEC 115-1 115-2    ● SMD enabled structure
- JIS C 52021        ● Conformal Multi-layer Coating Against Humidity
- MIL-R-226848     ● Excellent Solderability Termination



### Dimensions:

Type	Body Length (L)	Body Diameter (D)	Soldering spot (B)	Net Weight Per 1000 pcs
CM16	3.45±0.1mm	1.35±0.1mm	0.6mm Min.	17 grams
CM204	3.45±0.1mm	1.35±0.1mm	0.6mm Min.	17 grams
CM207	5.9±0.2mm	2.2±0.1mm	1.0mm Min.	66 grams
CM52	5.9±0.2mm	2.2±0.1mm	1.0mm Min.	66 grams

### Specifications:

Type	Power Rating (at 70 °C)	Max. Working Voltage	Max. Overload Voltage	Resistance Range Min.	Resistance Range Max.	Resistance Tolerance	Standard Resistance Value
CM16	1/6W	200V	300V	0, 0.1Ω	1MΩ	±5%	E-24
CM204	1/4W	200V	300V	0, 0.1Ω	1MΩ	±5%	E-24
CM207	1/3W	300V	600V	0, 0.1Ω	10MΩ	±5%	E-24
CM52	1/2W	350V	600V	0, 0.1Ω	10MΩ	±5%	E-24

*For zero ohm jumper, resistance value is under 20 mΩ. Rated current is 2A for CM16 & CM204. 4A for CM207 & CM52.*

*For 1 m~100mΩ please see CSM series. Special sizes, values, and specifications not listed available on special order.*

### Technical Specifications

Characteristics	Limits			
Dielectric Withstanding Voltage, VAC or DC	CM16,CM204: 200 CM207,CM52: 500			
Temperature Coefficient, PPM /	CM16 & CM204		CM207 & CM52	
	1 $\Omega$ ~33K	$\pm$ 300	1 $\Omega$ ~33K	$\pm$ 300
	33K~330K	- 500	33K~330K	- 500
	330K~470K	- 700	330K~470K	- 700
	470K~910K	-1000	470K-1M	-1000
	Over 910K	-1500	Over 1M	-1500
Operating Temperature Range,	-55 ~ +155			
Insulation Resistance, M $\Omega$	>10 <sup>4</sup>			
Voltage Coefficient, PPM / V	<25			

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