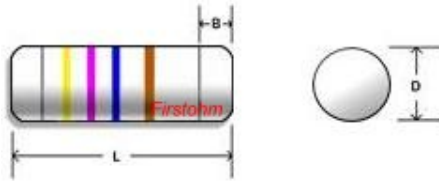


## CSM - Current Sense MELF Resistor

### Features

Inherited characteristics of MELF resistor, CSM series offers better mechanical and electrical robustness than flat-plate chip resistor for longer stability of your power circuit. This series is a SMD component to enable efficient PCB layout and mounting, too.



### Dimensions:

Type	Body Length (L)	Body Diameter (D)	Soldering Spot (B)	Net Weight Per 1000 pcs
CSM204	3.45 ±0.1mm	1.35 ±0.1 mm	0.6 mm min.	17 grams
CSM52	5.90 ±0.2mm	2.20 ±0.1 mm	1.0 mm min.	66 grams
CSM101	5.90 ±0.2 mm	2.20 ±0.1 mm	1.0 mm min.	66 grams
CSM201	8.50 ±1.0 mm	3.00 ±0.2 mm	1.3 mm min.	186 grams
CSM301	10.5 ±1.0 mm	4.00 ±0.5 mm	1.6 mm min.	446 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
CSM204	1/4W	200V	400V	1mΩ	510mΩ	±1%-5%	E-24/E-96
CSM52	1/2W	250V	500V	1mΩ	510mΩ	±1%-5%	E-24/E-96
CSM101	1W	250V	500V	1mΩ	510mΩ	±1%-5%	E-24/E-96
CSM201	2W	300V	600V	1mΩ	510mΩ	±1%-5%	E-24/E-96
CSM301	3W	350V	700V	1mΩ	510mΩ	±1%-5%	E-24/E-96

*Special size, values, and specifications not listed available on special order.*

### Technical Specifications

Characteristics	Limits
Dielectric Withstanding Voltage, VAC or DC	CSM204: 200 CSM52, CSM101: 500 CSM201, CSM301: 700
Temperature Coefficient, PPM /	±100, 200, 300
Operating Temperature Range,	-55 ~ +150
Insulation Resistance, MΩ	>10 <sup>4</sup>
Voltage Coefficient, PPM / V	<25

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