



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



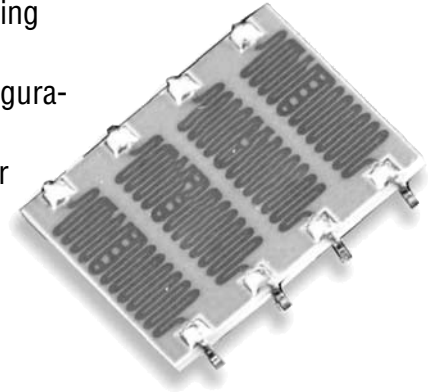
# MC4 Series

## High Voltage 4-Resistor SMD DIP Package

Ohmite's MC4 Series offers 4 high voltage SMD resistors in a single DIP package, supplied on tape and reel for automated placement. Each resistor provides a rating of 0.75W with a maximum voltage of 2500 VDC. Designers can specify up to 4 different resistor value/tolerance combinations and connect them individually, in series, or parallel to derive countless results. The flexible S-Bend terminals provide solder joint integrity while leaving space between the resistor pack and the PCB. Standard parts are available in single resistance values for immediate delivery.

### FEATURES

- Unique terminals allow spacing between board and resistor
- Design allows multiple configurations
- 2,500 volts max. per resistor per pack; 10KV total
- Supplied on tape & reel for automated placement



### SERIES SPECIFICATIONS

Series	Resistance Range (Ohms)	Power @25°C per resistor	Max. Operating Voltage	Standard Temperature Coefficient 50PPM/°C	100PPM/°C
MC4	200Ω to 5,000M	0.75W	2,500	200Ω-250M	251M-5,000M

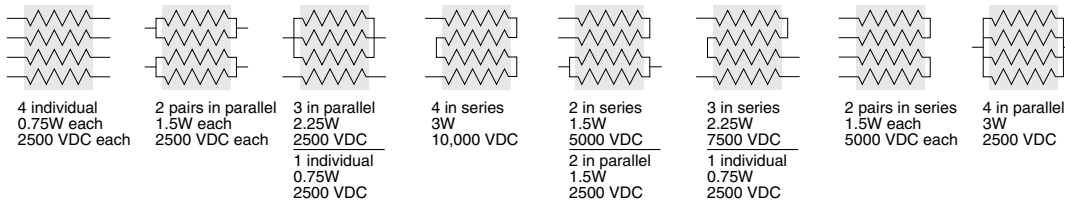
### CHARACTERISTICS

<b>Resistor</b>	Thick film on Alumina
<b>Resistance Range</b>	200 ohms to 5,000M
<b>Power Rating</b>	0.75W per resistor, 3.0W total
<b>Voltage Rating</b>	2500 VDC per resistor
<b>Tolerance</b>	5% to 20%
<b>Operating Temperature</b>	-55°C to +180°C
<b>TCR and VCR</b>	see Slim Mox
<b>Solder</b>	Silver solder is recommended for MC4 resistors. Leaching of the silver in the termination will occur if non-silver solder is used. 60/40 tin-lead solders are not recommended for use with the MC4 product.

### PERFORMANCE DATA

Characteristic	Test Method	Specification
<b>Humidity</b>	MIL-STD-202, Method 103B, Condition B	±0.25%
<b>Dielectric Withstanding Voltage</b>	MIL-STD-202, Method 301, 750V	±0.25%
<b>Insulation Resistance</b>	MIL-STD-202, Method 302, Condition A or B	>10,000M or greater dry
<b>Thermal Shock</b>	MIL-STD-202, Method 107G, Condition B, B-1, or F	±0.20%
<b>Load Life</b>	MIL-STD-202, Method 108A, Condition D	±1.0%
<b>Resistance to Solvents</b>	MIL-STD-202, Method 215G	No degradation of coating or marking
<b>Shock (Specified Pulse)</b>	MIL-STD-202, Method 213B, Condition I	±0.25%
<b>Vibration, High Frequency</b>	MIL-STD-202, Method 204D, Condition D	±0.20%
<b>Power Conditioning</b>	MIL-R-49462A, Par 4.8	±0.50%

### POSSIBLE CONFIGURATIONS

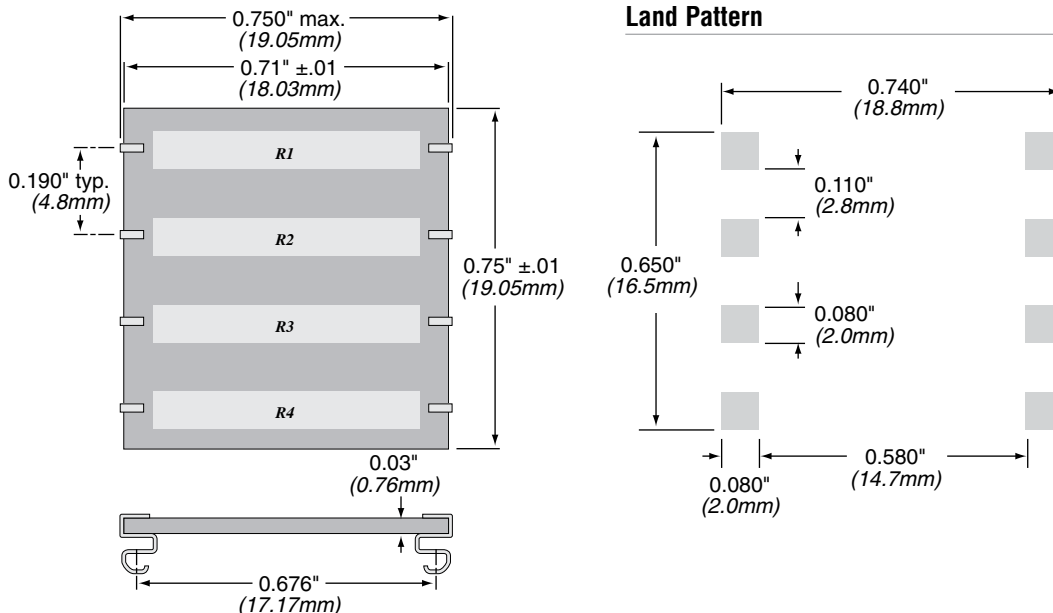


# MC4 Series

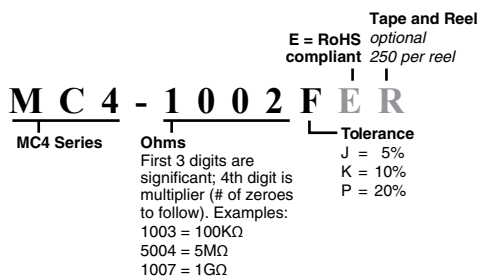
## High Voltage 4-Resistor SMD DIP Package

### DIMENSIONS

(in./mm)



### ORDERING INFORMATION

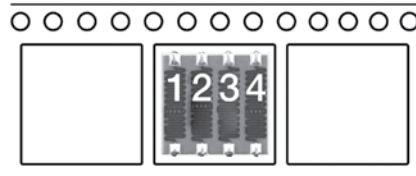


#### Standard Part Numbers

Part	Description
MC4-1003JER	100K ohms per resistor, 5%
MC4-5003JER	500K ohms per resistor, 5%
MC4-1004JER	1M ohms per resistor, 5%
MC4-5004JER	5M ohms per resistor, 5%
MC4-1005JER	10M ohms per resistor, 5%
MC4-5005JER	50M ohms per resistor, 5%
MC4-1006JER	100M ohms per resistor, 5%
MC4-5006JER	500M ohms per resistor, 5%
MC4-1007KER	1G ohms per resistor, 10%
MC4-5007KER	5G ohms per resistor, 10%

\*Custom part numbers are assigned sequentially. MC4-SP0001, MC4-SP0002, etc. Go to this link to design your own MC4 resistor and have a unique part number assigned. [www.ohmite.com/mc4sp/](http://www.ohmite.com/mc4sp/)

#### Tape and Reel Orientation



**Design online at:**  
[www.ohmite.com/mc4sp/](http://www.ohmite.com/mc4sp/)