

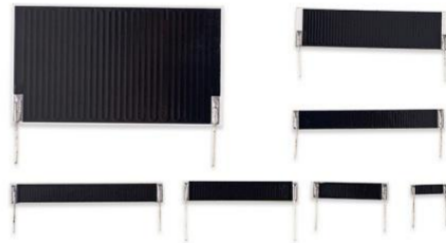
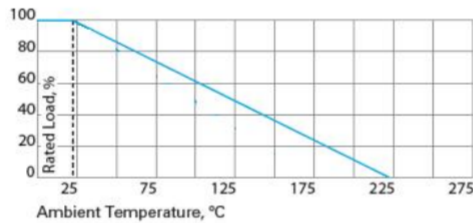
## Series MCP Resistor

The series employs our special METOXFILM, which demonstrates excellent stability and a wide resistance range. Power and voltage ratings are for continuous operation and have all been pretested for steady-state performance as well as momentary overload conditions.

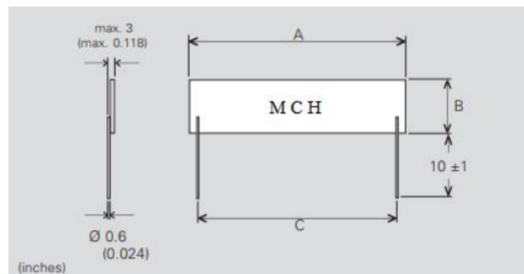
- up to 48 KV operating voltage
- Non - inductive design,
- ROHS compliant
- High operating voltage , The stability good
- Application for Electronic Transformer
- Voltages up to 60% higher than the values listed – “S“-Version

### Product Detail:

#### 1. Derating



#### 2. Dimensions in millimeters



#### 3. Technical and standard electrical specifications

Type	Wattage 25°C	Max. kV	Dimensions in millimeters (inches)		
			A ( $\pm 0.50/\pm 0.02$ )	B ( $\pm 0.50/\pm 0.02$ )	C ( $\pm 0.50/\pm 0.02$ )
MCP05	0.5	3000	12.90/0.51	3.40/0.13	10.20/0.40
MCP07	0.65	4500	17.15/0.68	3.40/0.13	15.24/0.60
MCP12	1.20	5000	20.00/0.78	5.08/0.20	17.78/0.70
MCP16	1.60	8000	25.60/1.01	5.30/0.21	22.90/0.90
MCP30	3.00	9000	38.30/1.51	6.60/0.26	35.50/1.40
MCP40	4.00	11500	51.00/2.01	6.60/0.26	48.20/1.90
MCP50	5.00	16500	51.00/2.01	12.90/0.51	48.20/1.90

## 4. Specifications

Resistance ranges: 200Ω-1GΩ

Resistance Tolerance:  $\pm 0.5\%$  to  $\pm 10\%$  standard

down to  $\pm 0.1\%$  on special request for limited ohmic values

Temperature Coefficient:  $\leq 100\text{ M}\Omega$ :  $\pm 80\text{ ppm}/^\circ\text{C}$  standard

$> 100\text{ M}\Omega$ :  $\pm 150\text{ ppm}/^\circ\text{C}$  standard

From  $-5^\circ\text{C}$  to  $+105^\circ\text{C}$  referenced to  $+25^\circ\text{C}$ ; down to  $15\text{ ppm}/^\circ\text{C}$  on special request for limited ohmic value

Max. Operating Temperature:  $+225^\circ\text{C}$

Encapsulation: with surface silicone print as an inexpensive alternative

Lead Material: O.F.H.C. tin-plated

Weight: depending on model no. (ask for details)

On special request for different Voltage and Size

## 5. Ordering Information

Type	ohmic Value	TOL	TCR
MCP40	20M	1%	25PPM