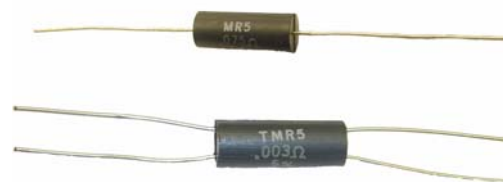


# MR / TMR Series—Low Resistance Value - Molded 2 and 4 Leads

## Features

- Metal element resistors
- Excellent load life stability
- Inherently non-inductive
- Tinned copper leads - 10 lbs. pull
- Low temperature coefficient
- RoHS compliant / lead-free
- High power to size ratio
- Molded bodies
- Two or four terminal
- TMR - Kelvin Bridge Test
- Cut and formed product is available on select sizes; contact factory for details



## Electrical Specifications

Type / Code	Power Rating (Watts) @ 70°C	Short Time Overload	Dielectric Strength	Resistance Temperature Coefficient	Ohmic Range and Tolerance
					1%, 5%
MR 1	1W	5 sec. at 5x Rated Power	500 VAC	±50 - ±400 ppm/°C*	0.01Ω – 0.1Ω
MR 3	3W	5 sec. at 5x Rated Power	500 VAC	±50 - ±400 ppm/°C*	0.005Ω – 0.2Ω
MR 5	5W	5 sec. at 5x Rated Power	500 VAC	±50 - ±400 ppm/°C*	0.005Ω – 0.3Ω
MR 10	10W	5 sec. at 5x Rated Power	500 VAC	±50 - ±400 ppm/°C*	0.01Ω – 0.5Ω
TMR 3	3W	5 sec. at 5x Rated Power	500 VAC	±40 ppm/°C	0.005Ω – 0.2Ω
TMR 5	5W	5 sec. at 5x Rated Power	500 VAC	±40 ppm/°C	0.005Ω – 0.3Ω

\*TCR is value dependent. Please contact factory for specific data

## Performance Characteristics

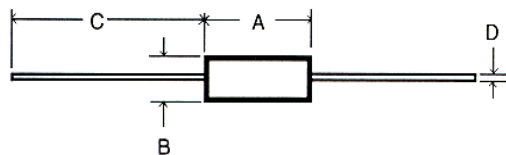
Test	Test Results
Moisture Resistance	±5%
Thermal Shock	±2%
Load Life @ 70°C – 1,000 hrs.	±5%
Resistance to Soldering Heat	±2%
Short Time Overload	±2%
Dielectric Withstanding Voltage	±2%
Operating Temperature Range	-55°C to +275°C

## How to Order

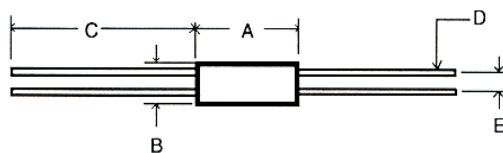
MR		3	0.1	1%	R		
SEI Type		Code	Nominal Resistance	Tolerance	Packaging		
Type	Description	Code	Tolerance	SEI Type	Pkg Qty	Description	Code
MR	2 Leads	1	1%	MR 1	2,500	Reel	R
TMR	4 Leads	3	5%		200	Bulk	B
		5		MR 3	1,000	Reel	R
		10		MR 3, TMR 3	100	Bulk	B
				MR 5	500	Reel	R
				MR 5, TMR 5	50	Bulk	B
				MR 10	250	Reel	R
					25	Bulk	B

# MR / TMR Series —Low Resistance Value - Molded 2 and 4 Leads

## MR



## TMR



### Mechanical Specifications

Type / Code	A Body Length	B Body Diameter	C Lead Length	D Lead Diameter	E Lead Spacing	Units
Tolerance	$\pm 0.015$	$\pm 0.015$	$\pm 0.125$	$\pm 0.002$	inches	inches
	$\pm 0.4$	$\pm 0.4$	$\pm 3.4$	$\pm 0.05$	mm	mm
MR 1	0.385 9.8	0.135 3.4	1.375 34.9	0.032 0.81	—	inches mm
MR 3	0.560 14.2	0.205 5.2	1.375 34.9	0.032 0.81	—	inches mm
MR 5	0.925 23.5	0.330 8.4	1.375 34.9	0.036 0.91	—	inches mm
MR 10	1.925 46.4	0.475 10.0	1.375 34.9	0.036 0.91	—	inches mm
TMR 3	0.625 15.9	0.205 5.2	1.375 34.9	0.032 0.81	0.125 3.2	inches mm
TMR 5	0.940 23.9	0.330 8.4	1.375 34.9	0.036 0.91	0.200 5.1	inches mm

### Power Derating

