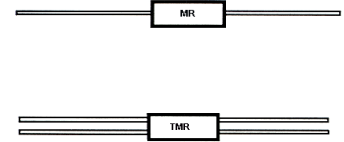


# MR/TMR Series — Low Resistance Value - Molded 2 and 4 Leads

## Features

- Metal element resistors
- Excellent load life stability
- Inherently non-inductive
- Tinned copper leads - 10 lbs. pull
- Low temperature coefficient
- High power to size ratio
- Molded bodies
- Two or four terminal
- TMR - Kelvin Bridge Test



## Electrical Specifications

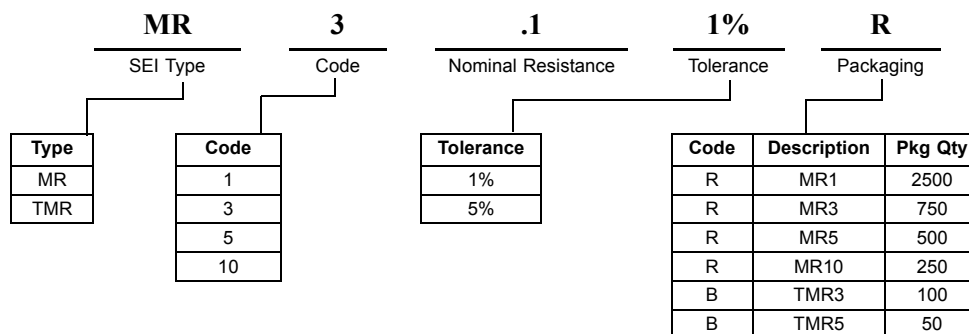
Type	Power Rating (Watts) @ 70°C	Short Time Overload	Dielectric Strength	Resistance Temperature Coefficient	Ohmic Range and Tolerance
					1%, 5%
MR1	1.0 W	5 sec. at 5x Rated Power	500 VAC	50 - 400 ppm/°C*	0.01Ω – 0.1Ω
MR3	3.0 W	5 sec. at 5x Rated Power	500 VAC	50 - 400 ppm/°C*	0.005Ω – 0.2Ω
MR5	5.0 W	5 sec. at 5x Rated Power	500 VAC	50 - 400 ppm/°C*	0.005Ω – 0.3Ω
MR10	10.0 W	5 sec. at 5x Rated Power	500 VAC	50 - 400 ppm/°C*	0.01Ω – 0.5Ω
TMR3	3.0 W	5 sec. at 5x Rated Power	500 VAC	40 ppm/°C	0.005Ω – 0.2Ω
TMR5	5.0 W	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

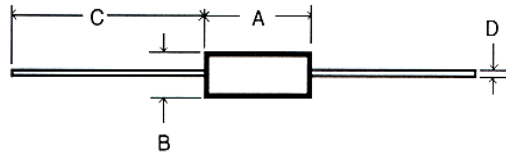
Test	Test Results
Moisture Resistance	± 5%
Thermal Shock	± 2%
Load Life @ 70°C – 1000 hrs.	± 5%
Resistance to Soldering Heat	± 2%
Short Time Overload	± 2%
Dielectric Withstanding Voltage	± 2%
Operating Temperature Range	-55°C to +275°C

## How to Order

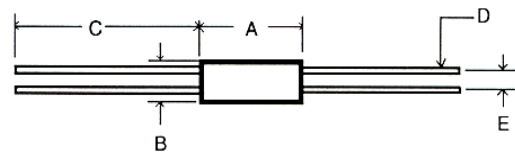


# MR/TMR Series—Low Resistance Value - Molded 2 and 4 Leads

**MR**



**TMR**



## Mechanical Specifications

Type	A Body Length	B Body Diameter	C Lead Length	D Lead Diameter	E Lead Spacing	Units
Tolerance	±0.015	±0.015	±0.125	±0.002	inches	inches
	±0.4	±0.4	±3.4	±0.05	mm	mm
MR1	0.385 9.8	0.135 3.4	1.375 34.9	0.032 0.81	n/a	inches mm
MR3	0.560 14.2	0.205 5.2	1.375 34.9	0.032 0.81	n/a	inches mm
MR5	0.925 23.5	0.330 8.4	1.375 34.9	0.036 0.91	n/a	inches mm
MR10	1.925 46.4	0.475 10.0	1.375 34.9	0.036 0.91	n/a	inches mm
TMR3	0.625 15.9	0.205 5.2	1.375 34.9	0.032 0.81	0.125 3.2	inches mm
TMR5	0.940 23.9	0.330 8.4	1.375 34.9	0.036 0.91	0.200 5.1	inches mm

## Power Derating

