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



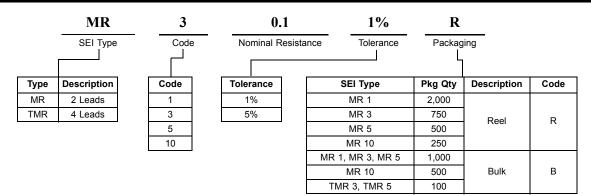
Electrical Specifications									
Type / Code	Power Rating (Watts) @ 70°C	Short Time Overload	Dielectric Strength	Resistance Temperature Coefficient	Ohmic Range and Tolerance				
					1%, 5%				
MR 1	1W	5 sec. at 5x Rated Power	500 VAC	±50 to ±400 ppm/°C*	0.01Ω – 0.1Ω				
MR 3	3W	5 sec. at 5x Rated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

*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%					

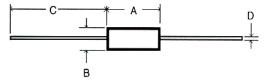
Operating Temperature Range : -55°C to +275°C

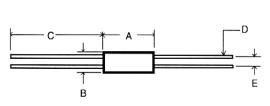












TMR

Mechanical Specifications									
Type / Code	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			
	±0.40	±0.40	±3.40	±0.05	mm	mm			
MR 1	0.385 9.80	0.135 3.40	1.375 34.90	0.032 0.81	-	inches mm			
MR 3	0.560 14.20	0.205 5.20	1.375 34.90	0.032 0.81	_	inches mm			
MR 5	0.925 23.50	0.330 8.40	1.375 34.90	0.036 0.91	_	inches mm			
MR 10	1.925 46.40	0.475 10.00	1.375 34.90	0.036 0.91	_	inches mm			
TMR 3	0.625 15.90	0.205 5.20	1.375 34.90	0.032 0.81	0.125 3.20	inches mm			
TMR 5	0.940 23.90	0.330 8.40	1.375 34.90	0.036 0.91	0.200 5.10	inches mm			

