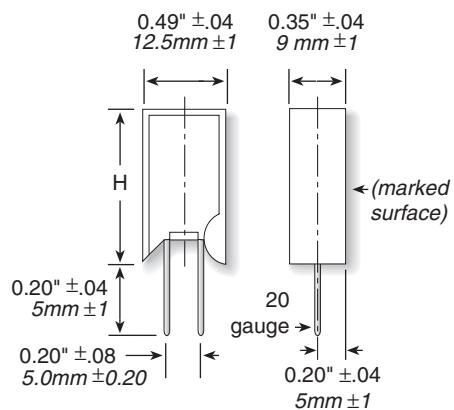


# TWM/TWW Series

## Ceramic Housed Radial Terminal Power



Series	Wattage	Ohms	Height (in./mm)	Voltage	Element
TWW3	3	.01-39	0.98 / 25	250	Wire
TWW5	5	.01-47	0.98 / 25	350	Wire
TWW10	10	.04-990	1.97 / 50	750	Wire
TWM3	3	43-50K	0.98 / 25	250	Metal oxide
TWM5	5	51-50K	0.98 / 25	350	Metal oxide
TWM10	10	1000-50K	1.97 / 50	750	Metal oxide

The TWM/TWW series radial terminal power resistors offer significant board space savings over axial terminal products. Generated heat is also kept away from the circuit board.

They are recommended for commercial applications requiring low cost.

### FEATURES

- Economical Commercial Grade for general purpose use
- Wirewound and Metal Oxide construction
- Wide resistance range
- Flameproof inorganic construction

### SPECIFICATIONS

#### Material

**Housing:** Ceramic

**Core:** Fiberglass or metal oxide

**Filling:** Cement based

#### Electrical

**Tolerance:** 5% standard

**Temperature coeff.:**

.01-20Ω ±400ppm/°C  
20-10Ω ±350ppm/°C

**Dielectric withstand voltage:**  
1,000VAC

#### Short time overload:

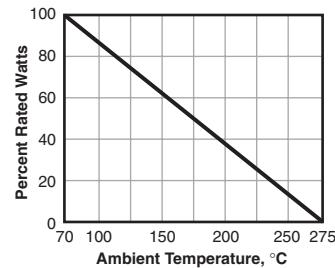
TWW: 10x rated power for 5 sec.

TWM: 5x rated power for 5 sec.

**Operating Temp.:** -55°C to 275°C

**Storage Temp.:** 6°C to 36°C

### DERATING



### ORDERING INFORMATION

Tolerance  
J = 5%      E = RoHS compliant

**T W W 3 J R 0 5 E**

Series	Wattage	Resistance Value
TWM = Ceramic housed metal oxide radial	3	Example: R05 = 0.05Ω
TWW = Ceramic housed wirewound radial	5	R56 = 0.56Ω
	10	1R0 = 1Ω 8R2 = 8.2Ω 270 = 270Ω 1K0 = 1,000Ω 8K2 = 8,200Ω 10K = 10,000Ω

### STANDARD PART NUMBERS FOR TWW SERIES

Ohmic value	Part No. Prefix □ Suffix □	3 Wattage TWW3J- TWW5J- TWW10J-10	Ohmic value	Part No. Prefix □ Suffix □	3 Wattage TWW3J- TWW5J- TWW10J-10	Ohmic value	Part No. Prefix □ Suffix □	3 Wattage TWW3J- TWW5J- TWW10J-10
0.01 — R01E	✓ ✓ ✓		1.5 — 1R5E	✓ ✓ ✓		43 — 43RE	✓	
0.02 — R02E	✓ ✓ ✓		2.0 — 2R0E	✓ ✓ ✓		47 — 47RE	✓	
0.03 — R03E	✓ ✓ ✓		2.7 — 2R7E	✓ ✓ ✓		56 — 56RE	✓	
0.04 — R04E	✓ ✓ ✓ ✓		3.0 — 3R0E	✓ ✓ ✓		68 — 68RE	✓	
0.05 — R05E	✓ ✓ ✓ ✓		3.3 — 3R3E	✓ ✓ ✓		75 — 75RE	✓	
0.10 — R10E	✓ ✓ ✓		3.9 — 3R9E	✓ ✓ ✓		82 — 82RE	✓	
0.15 — R15E	✓ ✓ ✓		4.3 — 4R3E	✓ ✓ ✓		100 — 100E	✓	
0.20 — R20E	✓ ✓ ✓		4.7 — 4R7E	✓ ✓ ✓		150 — 150E	✓	
0.27 — R27E	✓ ✓ ✓		5.6 — 5R6E	✓ ✓ ✓		200 — 200E	✓	
0.30 — R30E	✓ ✓ ✓		6.8 — 6R8E	✓ ✓ ✓		270 — 270E	✓	
0.33 — R33E	✓ ✓ ✓		7.5 — 7R5E	✓ ✓ ✓		300 — 300E	✓	
0.39 — R39E	✓ ✓ ✓		8.2 — 8R2E	✓ ✓ ✓		330 — 330E	✓	
0.43 — R43E	✓ ✓ ✓		10 — 10RE	✓ ✓ ✓		390 — 390E	✓	
0.47 — R47E	✓ ✓ ✓		15 — 15RE	✓ ✓ ✓		430 — 430E	✓	
0.56 — R56E	✓ ✓ ✓		20 — 20RE	✓ ✓ ✓		470 — 470E	✓	
0.68 — R68E	✓ ✓ ✓		27 — 27RE	✓ ✓ ✓		560 — 560E	✓	
0.75 — R75E	✓ ✓ ✓		30 — 30RE	✓ ✓ ✓		680 — 680E	✓	
0.82 — R82E	✓ ✓ ✓		33 — 33RE	✓ ✓ ✓		750 — 750E	✓	
1.0 — 1ROE	✓ ✓ ✓		39 — 39RE	✓ ✓ ✓		820 — 820E	✓	

### STANDARD PART NUMBERS FOR TWM SERIES

Ohmic value	Part No. Prefix □ Suffix □	3 Wattage TWM3J- TWM5J- TWM10J-10	Ohmic value	Part No. Prefix □ Suffix □	3 Wattage TWM3J- TWM5J- TWM10J-10
43 — 43RE	✓		750 — 750E	✓ ✓	
47 — 47RE	✓		820 — 820E	✓ ✓	
56 — 56RE	✓		1000 — 1K0	✓ ✓	
68 — 68RE	✓		1500 — 1K5	✓ ✓	
75 — 75RE	✓		2000 — 2K0	✓ ✓	
82 — 82RE	✓		2700 — 2K7	✓ ✓	
100 — 100E	✓		3000 — 3K0	✓ ✓	
150 — 150E	✓		3300 — 3K3	✓ ✓	
200 — 200E	✓		3900 — 3K9	✓ ✓	
270 — 270E	✓		4300 — 4K3	✓ ✓	
300 — 300E	✓		4700 — 4K7	✓ ✓	
330 — 330E	✓		5600 — 5K6	✓ ✓	
390 — 390E	✓		6800 — 6K8	✓ ✓	
430 — 430E	✓		7500 — 7K5	✓ ✓	
470 — 470E	✓		8200 — 8K2	✓ ✓	
560 — 560E	✓		10000 — 10K	✓ ✓	
680 — 680E	✓				

Check product availability at [www.ohmite.com](http://www.ohmite.com)