

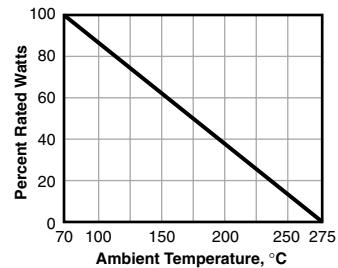
The TWM/TWW series radial terminal power resistors offer significant board space savings over axial terminal products. Generated heat is also kept away from the circuit board.

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

DERATING



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:

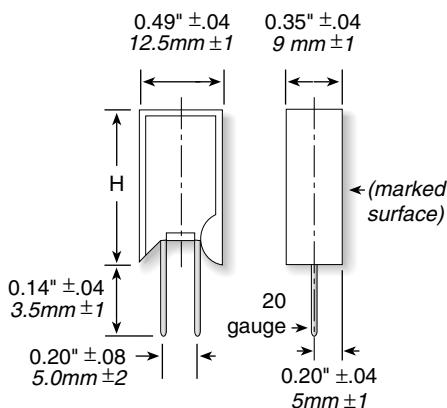
TWW: 10x rated power for 5 sec.
TWM: 5x rated power for 5 sec.

Operating Temp.: -55°C to 275°C

Storage Temp.: 6°C to 36°C

TWM/TWW Series

Ceramic Housed Radial Terminal Power



ORDERING INFORMATION

Tolerance
J = 5% E = RoHS compliant

T W W 3 J R 0 5 E

Series
TWW = Ceramic housed metal oxide radial
TWW = Ceramic housed wirewound radial

Wattage
3 5 10

Resistance Value
Example:
R05 = 0.05Ω
R56 = 0.56Ω
1R0 = 1Ω
8R2 = 8.2Ω
270 = 270Ω
1K0 = 1,000Ω
8K2 = 8,200Ω
10K = 10,000Ω

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

STANDARD PART NUMBERS FOR TWW SERIES

Ohmic value	Part No. Prefix ▶ Suffix ▼	3 Wattage TWW3J-	5 Wattage TWW5J-	10 Wattage TWW10J-	Ohmic value	Part No. Prefix ▶ Suffix ▼	3 Wattage TWW3J-	5 Wattage TWW5J-	10 Wattage TWW10J-
0.01 — R01E	✓ ✓ ✓	1.5 — 1R5E	✓ ✓ ✓	43 — 43RE	✓ ✓ ✓	43 — 43RE	✓ ✓ ✓	750 — 750E	✓ ✓ ✓
0.02 — R02E	✓ ✓ ✓	2.0 — 2R0E	✓ ✓ ✓	47 — 47RE	✓ ✓ ✓	47 — 47RE	✓ ✓ ✓	820 — 820E	✓ ✓ ✓
0.03 — R03E	✓ ✓ ✓	2.7 — 2R7E	✓ ✓ ✓	56 — 56RE	✓ ✓ ✓	56 — 56RE	✓ ✓ ✓	1000 — 1K0	✓ ✓ ✓
0.04 — R04E	✓ ✓ ✓ ✓	3.0 — 3R0E	✓ ✓ ✓	68 — 68RE	✓ ✓ ✓	68 — 68RE	✓ ✓ ✓	1500 — 1K5	✓ ✓ ✓
0.05 — R05E	✓ ✓ ✓ ✓	3.3 — 3R3E	✓ ✓ ✓	75 — 75RE	✓ ✓ ✓	75 — 75RE	✓ ✓ ✓	2000 — 2K0	✓ ✓ ✓
0.10 — R10E	✓ ✓ ✓	3.9 — 3R9E	✓ ✓ ✓	82 — 82RE	✓ ✓ ✓	82 — 82RE	✓ ✓ ✓	82 — 82RE	✓ ✓ ✓
0.15 — R15E	✓ ✓ ✓	4.3 — 4R3E	✓ ✓ ✓	100 — 100E	✓ ✓ ✓	100 — 100E	✓ ✓ ✓	100 — 100E	✓ ✓ ✓
0.20 — R20E	✓ ✓ ✓	4.7 — 4R7E	✓ ✓ ✓	150 — 150E	✓ ✓ ✓	150 — 150E	✓ ✓ ✓	150 — 150E	✓ ✓ ✓
0.27 — R27E	✓ ✓ ✓	5.6 — 5R6E	✓ ✓ ✓	200 — 200E	✓ ✓ ✓	200 — 200E	✓ ✓ ✓	200 — 200E	✓ ✓ ✓
0.30 — R30E	✓ ✓ ✓	6.8 — 6R8E	✓ ✓ ✓	270 — 270E	✓ ✓ ✓	270 — 270E	✓ ✓ ✓	270 — 270E	✓ ✓ ✓
0.33 — R33E	✓ ✓ ✓	7.5 — 7R5E	✓ ✓ ✓	300 — 300E	✓ ✓ ✓	300 — 300E	✓ ✓ ✓	300 — 300E	✓ ✓ ✓
0.39 — R39E	✓ ✓ ✓	8.2 — 8R2E	✓ ✓ ✓	330 — 330E	✓ ✓ ✓	330 — 330E	✓ ✓ ✓	330 — 330E	✓ ✓ ✓
0.43 — R43E	✓ ✓ ✓	10 — 10RE	✓ ✓ ✓	390 — 390E	✓ ✓ ✓	390 — 390E	✓ ✓ ✓	390 — 390E	✓ ✓ ✓
0.47 — R47E	✓ ✓ ✓	15 — 15RE	✓ ✓ ✓	430 — 430E	✓ ✓ ✓	430 — 430E	✓ ✓ ✓	430 — 430E	✓ ✓ ✓
0.56 — R56E	✓ ✓ ✓	20 — 20RE	✓ ✓ ✓	470 — 470E	✓ ✓ ✓	470 — 470E	✓ ✓ ✓	470 — 470E	✓ ✓ ✓
0.68 — R68E	✓ ✓ ✓	27 — 27RE	✓ ✓ ✓	560 — 560E	✓ ✓ ✓	560 — 560E	✓ ✓ ✓	560 — 560E	✓ ✓ ✓
0.75 — R75E	✓ ✓ ✓	30 — 30RE	✓ ✓ ✓	680 — 680E	✓ ✓ ✓	680 — 680E	✓ ✓ ✓	680 — 680E	✓ ✓ ✓
0.82 — R82E	✓ ✓ ✓	33 — 33RE	✓ ✓ ✓	750 — 750E	✓ ✓ ✓	750 — 750E	✓ ✓ ✓	750 — 750E	✓ ✓ ✓
1.0 — 1ROE	✓ ✓ ✓	39 — 39RE	✓ ✓ ✓	820 — 820E	✓ ✓ ✓	820 — 820E	✓ ✓ ✓	820 — 820E	✓ ✓ ✓

STANDARD PART NUMBERS FOR TWM SERIES

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

Check product availability at www.ohmite.com