

TWM/TWW Series

Ceramic Housed Radial Terminal Power



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



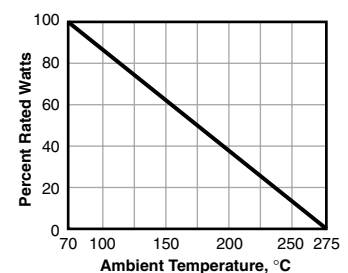
SERIES SPECIFICATIONS

Series	Wattage	Resistance	Voltage	Element
TWW3	3	0.01-39 Ω	250	Wire
TWW5	5	0.01-47 Ω	350	Wire
TWW10	10	0.04-990 Ω	750	Wire
TWM3	3	43-50K Ω	250	Metal oxide
TWM5	5	51-50K Ω	350	Metal oxide
TWM10	10	1000-50K Ω	750	Metal oxide

CHARACTERISTICS

Housing	Ceramic
Core	Fiberglass
Filling	Cement based
Tolerance	5% standard
Temperature coefficient	0.01-20 Ω $\pm$ 400ppm/ $^{\circ}$ C; 20-10 Ω $\pm$ 350ppm/ $^{\circ}$ C
Dielectric withstanding voltage	1,000VAC
Short time overload	TWW: 10x rated power for 5 sec.; TWM: 5x rated power for 5 sec.
Operating Temperature	-55 $^{\circ}$ C to 275 $^{\circ}$ C
Storage Temperature	6 $^{\circ}$ C to 36 $^{\circ}$ C

Derating

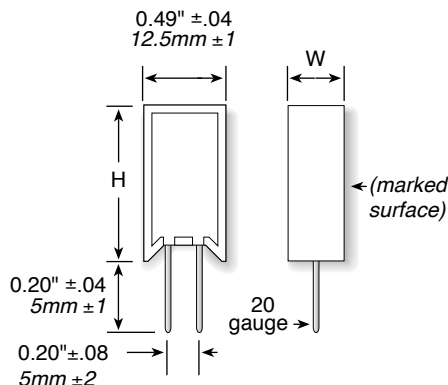


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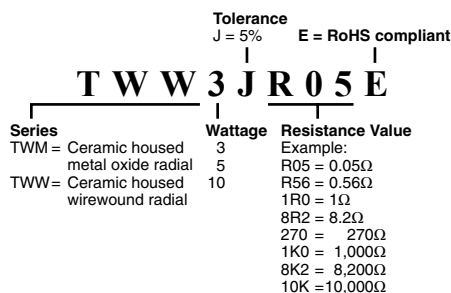
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DIMENSIONS



Series	Height (in./mm) ±1mm	Width (in./mm) ±1mm
TWW3	0.98 / 25	0.33 / 8.5
TWW5	0.98 / 25	0.35 / 9
TWW10	1.97 / 50	0.35 / 9
TWM3	0.98 / 25	0.33 / 8.5
TWM5	0.98 / 25	0.35 / 9
TWM10	1.97 / 50	0.35 / 9

HOW TO ORDER



Standard part numbers for TWW series

Ohmic value	Part No. Prefix ▶ Suffix ▼	Wattage 3 5 10	Ohmic value	Part No. Prefix ▶ Suffix ▼	Wattage 3 5 10	Ohmic value	Part No. Prefix ▶ Suffix ▼	Wattage 3 5 10
0.01 — R01E	✓	✓	1.5 — 1R5E	✓	✓	39 — 39RE	✓	✓
0.02 — R02E	✓	✓	2.0 — 2R0E	✓	✓	43 — 43RE	✓	✓
0.03 — R03E	✓	✓	2.7 — 2R7E	✓	✓	47 — 47RE	✓	✓
0.04 — R04E	✓	✓	3.0 — 3R0E	✓	✓	56 — 56RE	✓	✓
0.05 — R05E	✓	✓	3.3 — 3R3E	✓	✓	68 — 68RE	✓	✓
0.10 — R10E	✓	✓	3.9 — 3R9E	✓	✓	75 — 75RE	✓	✓
0.15 — R15E	✓	✓	4.3 — 4R3E	✓	✓	82 — 82RE	✓	✓
0.20 — R20E	✓	✓	4.7 — 4R7E	✓	✓	100 — 100E	✓	✓
0.27 — R27E	✓	✓	5.6 — 5R6E	✓	✓	150 — 150E	✓	✓
0.30 — R30E	✓	✓	6.8 — 6R8E	✓	✓	200 — 200E	✓	✓
0.33 — R33E	✓	✓	7.5 — 7R5E	✓	✓	270 — 270E	✓	✓
0.39 — R39E	✓	✓	8.2 — 8R2E	✓	✓	300 — 300E	✓	✓
0.43 — R43E	✓	✓	10 — 10RE	✓	✓	330 — 330E	✓	✓
0.47 — R47E	✓	✓	15 — 15RE	✓	✓	390 — 390E	✓	✓
0.56 — R56E	✓	✓	20 — 20RE	✓	✓	430 — 430E	✓	✓
0.68 — R68E	✓	✓	22 — 22RE	✓	✓	470 — 470E	✓	✓
0.75 — R75E	✓	✓	27 — 27RE	✓	✓	560 — 560E	✓	✓
0.82 — R82E	✓	✓	30 — 30RE	✓	✓	680 — 680E	✓	✓
1.0 — 1R0E	✓	✓	33 — 33RE	✓	✓	750 — 750E	✓	✓
						820 — 820E	✓	✓

Standard part numbers for TWM series

Ohmic value	Part No. Prefix ▶ Suffix ▼	Wattage 3 5 10	Ohmic value	Part No. Prefix ▶ Suffix ▼	Wattage 3 5 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	✓	✓			

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[TWW3J8R2](#) [TWW5J4R7](#) [TWM3J6K8](#) [TWM3J680](#) [TWW10J5R6](#) [TWW10J560](#) [TWM3J75R](#) [TWW3J1R0](#)
[TWW3J1R5](#) [TWM5J820](#) [TWM5J68R](#) [TWW5J33R](#) [TWW5J30R](#) [TWM5J8K2](#) [TWW5J39R](#) [TWW10J270](#)
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