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
- · Wirewound and Metal Oxide construction
- Wide resistance range
- Flameproof inorganic construction



SERIES SPECIFICATIONS

Series	Wattage	Resistance	Voltage	Element
TWW3	3	0.01 - 39Ω	250	Wire
TWW5	5	$0.01 ext{-}47\Omega$	350	Wire
TWW10	10	$0.04 ext{-}990\Omega$	750	Wire
TWW15	15	0.1Ω -560 Ω	700	Wire
TWW20	20	0.1Ω -560 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
TWM15	15	561Ω-200ΚΩ	700	Metal oxide
TWM20	20	561Ω-200ΚΩ	750	Metal oxide

CHARACTERISTICS

Housing	Ceramic
Core	Fiberglass
Filling	Cement based
Tolerance	5% standard
Temperature coefficient	0.01-20Ω ±400ppm/°C; >20-10Ω ±350ppm/°C
Dielectric withstanding voltage	1,000VAC
Short time overload	TWW: 10x rated power for 5 sec.; TWM: 5x rated power for 5 sec. 15 & 20 watt: 2.5x RCWV for 5 sec.
Operating Temperature	-55°C to 275°C
Storage Temperature	15°C-35°C, humidity: 25%-75%



150

200 Ambient Temperature, °C

100

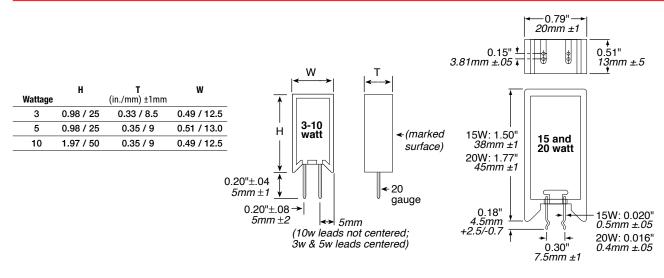
Derating

(continued)

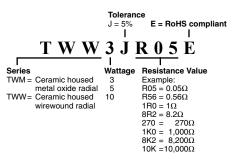
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DIMENSIONS



HOW TO ORDER



Standard part numbers for TWW series

Standard	part	numbe	rs 1	for	TWM	seri	es
		Wallana					

Wattage	Wattage	Wattage	Wattage	Wattage
ue 3 3 5 10 10 10 10 10 10 10 10 10 10 10 10 10	value 3	10 me	Part No.	3 20, 15, 15, 20
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Part No. Law 3 - Light A	Ohmic va Lwws. Lww10. Duttin A Tww10. Tww10. Tww10. Tww10.	Part No. Prefix ► Suffix ▼ Suffix ▼ Prefix ► Suffix ▼	Prefix Pr	TWM3J- TWM5J- TWM10J- TWM15J-
ਰ _{Suffix} ▼ ੬੬੬੬੬	5 Suffix ▼ ≥≥≥≥≥	5 Suffix ▼ ₹₹₹₹	_ 5 Suffix ▼	
0.01R01E ✓ ✓	2.02R0E ✓ ✓ ✓	4747RE ✓ ✓ ✓	43 43RE ✓ 1000 1K0	/ / / / /
0.02R02E ✓ ✓	2.72R7E 🗸 🗸 🗸	5151RE ✓	47 47RE ✓ 1500 1K5	/ / /
0.03R03E ✓ ✓	3.03R0E ✓ ✓ ✓	5656RE ✓	56 56RE 🗸 🗸 2000 2K0	/ / /
0.04R04E 🗸 🗸 🗸	3.33R3E ✓ ✓ ✓	6868RE ✓	68 68RE 🗸 🗸 2700 2K7	/ / / /
0.05R05E 🗸 🗸 🗸	3.93R9E ✓ ✓ ✓	7575RE ✓ ✓	75 75RE 🗸 🗸 3000 3K0	/ / /
0.10R10E 🗸 🗸 🗸 🗸	4.34R3E ✓ ✓ ✓	8282RE ✓	82 82RE 🗸 🗸 3300 3K3	/ / /
0.15R15E 🗸 🗸 🗸 🗸	4.74R7E ✓ ✓ ✓	100100E ✓ ✓ ✓	100 100E ✓ ✓ 3900 3K9	/ / /
0.20R20E 🗸 🗸 🗸	5.65R6E ✓ ✓ ✓	150150E ✓ ✓	150 150E ✓ ✓ 4300 4K3	/ / /
0.27R27E ✓ ✓ ✓	6.86R8E ✓ ✓ ✓	200200E ✓	200 200E ✓ ✓ 4700 4K7	/ / / /
0.30R30E 🗸 🗸	7.57R5E 🗸 🗸 🗸	270270E ✓ ✓	270 270E ✓ ✓ 5600 5K6	/ / /
0.33R33E 🗸 🗸	8.28R2E 🗸 🗸	300300E ✓	300 300E ✓ ✓ 5100 5K1	✓
0.39R39E 🗸 🗸	1010RE 🗸 🗸 🗸 🗸	330330E ✓	330 330E ✓ ✓ 6800 6K8	/ / /
0.43R43E 🗸 🗸 🗸	1515RE 🗸 🗸 🗸 🗸	390390E ✓	390 390E ✓ ✓ 7500 7K5	/ / / /
0.47R47E 🗸 🗸 🗸	2020RE ✓ ✓ ✓	430430E ✓	430 430E ✓ ✓ 8200 8K2	/ / /
0.56R56E 🗸 🗸 🗸	2222RE ✓	470470E ✓ ✓	470 470E 🗸 🗸 10000 10K	/ / / / /
0.68R68E 🗸 🗸	2727RE 🗸 🗸 🗸 🗸	500500E ✓	560 560E ✓ ✓ 27000 27K	✓
0.75R75E ✓ ✓ ✓	3030RE ✓ ✓ ✓	560560E ✓	680 680E 🗸 🗸 47000 47K	✓
0.82R82E ✓ ✓ ✓	3333RE ✓ ✓ ✓	680680E ✓	750 750E 🗸 🗸 51000 51K	✓
1.01R0E 🗸 🗸 🗸	3939RE ✓ ✓ ✓	750750E ✓	820 820E 🗸 🗸 75000 75K	✓
1.51R5E ✓ ✓ ✓	4343RE ✓ ✓	820820E ✓		

