

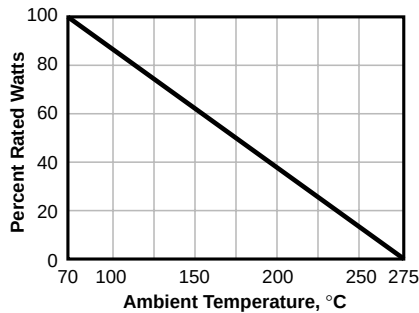
The TUW/TUM Series resistors are our most economical power resistors. They are recommended for commercial applications where low cost is critical.

They are available in small standard packs for stock values, or bulk packaged for even lower costs.

FEATURES

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

DERATING CURVE



SPECIFICATIONS

Material

Housing: Ceramic

Core: Fiberglass or metal oxide

Filling: Cement based

Electrical

Tolerance: 5% standard

Temperature coeff.:

.01-20Ω ±400ppm/°C

20-150Ω ±350ppm/°C

Dielectric withstanding voltage:
1,000VAC

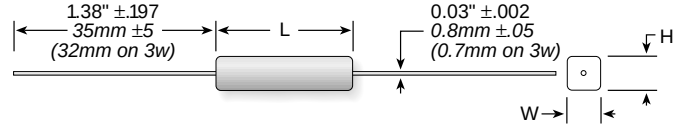
Short time overload

TUW: 10x rated power for 5 sec.

TUM: 5x rated power for 5 sec.

TUW/TUM Series

Ceramic Housed Axial Lead Power Resistors



Series	Wattage	Ohms	Dimensions (in. / mm)			Voltage	Element
			Length (±1mm)	Height (±1mm)	Width (±1mm)		
TUW3	3	.01-39	0.87 / 22	0.31 / 8	0.31 / 8	350	Wirewound
TUW5	5	.01-47	0.87 / 22	0.35 / 9	0.39 / 10	350	Wirewound
TUW7	7	.10-680	1.48 / 35	0.35 / 9	0.39 / 10	500	Wirewound
TUW10	10	.10-990	1.93 / 49	0.35 / 9	0.39 / 10	750	Wirewound
TUW15	15	.10-1000	1.93 / 49	.453/11.5	0.49 / 12.5	1000	Wirewound
TUM3	3	180-33K	0.87 / 22	0.31 / 8	0.31 / 8	350	Metal oxide
TUM5	5	220-50K	0.87 / 22	0.35 / 9	0.39 / 10	350	Metal oxide
TUM7	7	910-50K	1.48 / 35	0.35 / 9	0.39 / 10	500	Metal oxide
TUM10	10	1000-50K	1.93 / 49	0.35 / 9	0.39 / 10	750	Metal oxide
TUM15	15	1100-150K	1.93 / 49	.453/11.5	0.49 / 12.5	1000	Metal oxide

STOCK PART NUMBERS FOR STANDARD RESISTANCE VALUES

Ohms	3 Watt	5 Watt	7 Watt	10 Watt	15 Watt	Ohms	3 Watt	5 Watt	7 Watt	10 Watt	15 Watt
0.01	TUW3JR01	TUW5JR01				33	TUW3J33R	TUW5J33R	TUW7J33R	TUW10J33R	TUW15J33R
0.02	TUW3JR02	TUW5JR02				39	TUW3J39R	TUW5J39R	TUW7J39R	TUW10J39R	TUW15J39R
0.04	TUW3JR04	TUW5JR04				43	TUM3J43R	TUW5J43R	TUW7J43R	TUW10J43R	TUW15J43R
0.05	TUW3JR05	TUW5JR05				47	TUM3J47R	TUW5J47R	TUW7J47R	TUW10J47R	TUW15J47R
0.1	TUW3JR10	TUW5JR10	TUW7JR10	TUW10JR10	TUW15JR10	56	TUM3J56R	TUM5J56R	TUW7J56R	TUW10J56R	TUW15J56R
0.15	TUW3JR15	TUW5JR15	TUW7JR15	TUW10JR15	TUW15JR15	68	TUM3J68R	TUM5J68R	TUW7J68R	TUW10J68R	TUW15J68R
0.2	TUW3JR20	TUW5JR20	TUW7JR20	TUW10JR20	TUW15JR20	75	TUM3J75R	TUM5J75R	TUW7J75R	TUW10J75R	TUW15J75R
0.27	TUW3JR27	TUW5JR27	TUW7JR27	TUW10JR27	TUW15JR27	82	TUM3J82R	TUM5J82R	TUW7J82R	TUW10J82R	TUW15J82R
0.3	TUW3JR30	TUW5JR30	TUW7JR30	TUW10JR30	TUW15JR30	100	TUM3J100	TUM5J100	TUW7J100	TUW10J100	TUW15J100
0.33	TUW3JR33	TUW5JR33	TUW7JR33	TUW10JR33	TUW15JR33	150	TUM3J150	TUM5J150	TUW7J150	TUW10J150	TUW15J150
0.39	TUW3JR39	TUW5JR39	TUW7JR39	TUW10JR39	TUW15JR39	200	TUM3J200	TUM5J200	TUW7J200	TUW10J200	TUW15J200
0.43	TUW3JR43	TUW5JR43	TUW7JR43	TUW10JR43	TUW15JR43	270	TUM3J270	TUM5J270	TUW7J270	TUW10J270	TUW15J270
0.47	TUW3JR47	TUW5JR47	TUW7JR47	TUW10JR47	TUW15JR47	300	TUM3J300	TUM5J300	TUW7J300	TUW10J300	TUW15J300
0.56	TUW3JR56	TUW5JR56	TUW7JR56	TUW10JR56	TUW15JR56	330	TUM3J330	TUM5J330	TUW7J330	TUW10J330	TUW15J330
0.68	TUW3JR68	TUW5JR68	TUW7JR68	TUW10JR68	TUW15JR68	390	TUM3J390	TUM5J390	TUW7J390	TUW10J390	TUW15J390
0.75	TUW3JR75	TUW5JR75	TUW7JR75	TUW10JR75	TUW15JR75	430	TUM3J430	TUM5J430	TUW7J430	TUW10J430	TUW15J430
0.82	TUW3JR82	TUW5JR82	TUW7JR82	TUW10JR82	TUW15JR82	470	TUM3J470	TUM5J470	TUW7J470	TUW10J470	TUW15J470
1	TUW3J1R0	TUW5J1R0	TUW7J1R0	TUW10J1R0	TUW15J1R0	560	TUM3J560	TUM5J560	TUW7J560	TUW10J560	TUW15J560
1.5	TUW3J1R5	TUW5J1R5	TUW7J1R5	TUW10J1R5	TUW15J1R5	680	TUM3J680	TUM5J680	TUW7J680	TUW10J680	TUW15J680
2	TUW3J2R0	TUW5J2R0	TUW7J2R0	TUW10J2R0	TUW15J2R0	750	TUM3J750	TUM5J750	TUW7J750	TUW10J750	TUW15J750
2.7	TUW3J2R7	TUW5J2R7	TUW7J2R7	TUW10J2R7	TUW15J2R7	820	TUM3J820	TUM5J820	TUW7J820	TUW10J820	TUW15J820
3	TUW3J3R0	TUW5J3R0	TUW7J3R0	TUW10J3R0	TUW15J3R0	1000	TUM3J1K0	TUM5J1K0	TUW7J1K0	TUW10J1K0	TUW15J1K0
3.3	TUW3J3R3	TUW5J3R3	TUW7J3R3	TUW10J3R3	TUW15J3R3	1500	TUM3J1K5	TUM5J1K5	TUW7J1K5	TUW10J1K5	TUW15J1K5
3.9	TUW3J3R9	TUW5J3R9	TUW7J3R9	TUW10J3R9	TUW15J3R9	2000	TUM3J2K0	TUM5J2K0	TUW7J2K0	TUW10J2K0	TUW15J2K0
4.3	TUW3J4R3	TUW5J4R3	TUW7J4R3	TUW10J4R3	TUW15J4R3	2700	TUM3J2K7	TUM5J2K7	TUW7J2K7	TUW10J2K7	TUW15J2K7
4.7	TUW3J4R7	TUW5J4R7	TUW7J4R7	TUW10J4R7	TUW15J4R7	3000	TUM3J3K0	TUM5J3K0	TUW7J3K0	TUW10J3K0	TUW15J3K0
5.6	TUW3J5R6	TUW5J5R6	TUW7J5R6	TUW10J5R6	TUW15J5R6	3300	TUM3J3K3	TUM5J3K3	TUW7J3K3	TUW10J3K3	TUW15J3K3
6.8	TUW3J6R8	TUW5J6R8	TUW7J6R8	TUW10J6R8	TUW15J6R8	3900	TUM3J3K9	TUM5J3K9	TUW7J3K9	TUW10J3K9	TUW15J3K9
7.5	TUW3J7R5	TUW5J7R5	TUW7J7R5	TUW10J7R5	TUW15J7R5	4300	TUM3J4K3	TUM5J4K3	TUW7J4K3	TUW10J4K3	TUW15J4K3
8.2	TUW3J8R2	TUW5J8R2	TUW7J8R2	TUW10J8R2	TUW15J8R2	4700	TUM3J4K7	TUM5J4K7	TUW7J4K7	TUW10J4K7	TUW15J4K7
10	TUW3J10R	TUW5J10R	TUW7J10R	TUW10J10R	TUW15J10R	5600	TUM3J5K6	TUM5J5K6	TUW7J5K6	TUW10J5K6	TUW15J5K6
15	TUW3J15R	TUW5J15R	TUW7J15R	TUW10J15R	TUW15J15R	6800	TUM3J6K8	TUM5J6K8	TUW7J6K8	TUW10J6K8	TUW15J6K8
20	TUW3J20R	TUW5J20R	TUW7J20R	TUW10J20R	TUW15J20R	7500	TUM3J7K5	TUM5J7K5	TUW7J7K5	TUW10J7K5	TUW15J7K5
27	TUW3J27R	TUW5J27R	TUW7J27R	TUW10J27R	TUW15J27R	8200	TUM3J8K2	TUM5J8K2	TUW7J8K2	TUW10J8K2	TUW15J8K2
30	TUW3J30R	TUW5J30R	TUW7J30R	TUW10J30R	TUW15J30R	10000	TUM3J10K	TUM5J10K	TUW7J10K	TUW10J10K	TUW15J10K