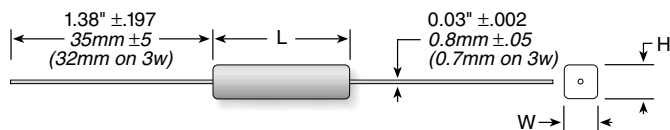


TUM/TUW Series

Ceramic Housed Axial Terminal Power



Series	Wattage	Ohms	Dimensions (in. / mm)			Voltage	Element
			Length (±1mm)	Height (±1mm)	Width (±1mm)		
TUW3	3	0.01-39	0.87 / 22	0.31 / 8	0.31 / 8	350	Wirewound
TUW5	5	0.01-47	0.87 / 22	0.35 / 9	0.39 / 10	350	Wirewound
TUW7	7	0.10-680	1.48 / 35	0.35 / 9	0.39 / 10	500	Wirewound
TUW10	10	0.10-990	1.93 / 49	0.35 / 9	0.39 / 10	750	Wirewound
TUW15	15	0.10-1000	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

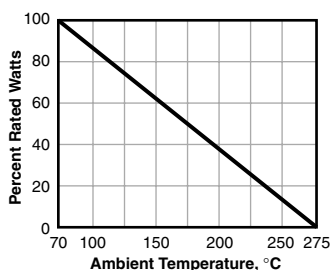
The TUM/TUW Series resistors are our most economical power resistors. They are recommended for commercial applications where low cost is critical.

They are available in small standard packs for standard 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.:

0.01-20Ω ±400ppm/°C

20-150KΩ ±350ppm/°C

Dielectric withstanding voltage:
1,000VAC

Short time overload

TUW: 10x rated power for 5 sec.

TUM: 5x rated power for 5 sec.

ORDERING INFORMATION

TUM3J8R2E		
Series	Tolerance J = 5%	E = RoHS compliant
TUM = Ceramic Housed	3	Example:
Metal Oxide	5	R50=0.50Ω
TUW = Ceramic Housed	7	1R0=1Ω
Wirewound	10	8R2=8.2Ω
	15	250=250Ω
		1K0=1,000Ω
		8K2=8,200Ω
		10K=10,000Ω

STANDARD PART NUMBERS FOR TUW/TUM SERIES

STANDARD PART NUMBERS FOR POW/TEM CELLS																											
Wattage							Wattage							Wattage							Wattage						
Ohmic value	Part No.	3	5	7	10	15	Ohmic value	Part No.	3	5	7	10	15	Ohmic value	Part No.	3	5	7	10	15	Ohmic value	Part No.	3	5	7	10	15
	Prefix Suffix ▼							Prefix Suffix ▼							Prefix Suffix ▼							Prefix Suffix ▼					
0.01 — R01E	✓	✓					1.0 — 1R0E	✓	✓	✓	✓	✓	✓	33 — 33RE	✓	✓	✓	✓	✓	✓	680 — 680E	✓	✓	✓	✓	✓	
0.01 — R01E	✓	✓					1.5 — 1R5E	✓	✓	✓	✓	✓	✓	39 — 39RE	✓	✓	✓	✓	✓	✓	750 — 750E	✓	✓	✓	✓	✓	
0.02 — R02E	✓	✓	✓				2.0 — 2R0E	✓	✓	✓	✓	✓	✓	43 — 43RE	✓	✓	✓	✓	✓	✓	820 — 820E	✓	✓	✓	✓	✓	
0.04 — R04E	✓	✓	✓	✓			2.7 — 2R7E	✓	✓	✓	✓	✓	✓	47 — 47RE	✓	✓	✓	✓	✓	✓	1000 — 1K0	✓	✓	✓	✓	✓	
0.05 — R05E	✓	✓	✓	✓			3.0 — 3R0E	✓	✓	✓	✓	✓	✓	56 — 56RE	✓	✓	✓	✓	✓	✓	1500 — 1K5	✓	✓	✓	✓	✓	
0.10 — R10E	✓	✓	✓	✓	✓	✓	3.3 — 3R3E	✓	✓	✓	✓	✓	✓	68 — 68RE	✓	✓	✓	✓	✓	✓	2000 — 2K0	✓	✓	✓	✓	✓	
0.15 — R15E	✓	✓	✓	✓	✓	✓	3.9 — 3R9E	✓	✓	✓	✓	✓	✓	75 — 75RE	✓	✓	✓	✓	✓	✓	2700 — 2K7	✓	✓	✓	✓	✓	
0.20 — R20E	✓	✓	✓	✓	✓	✓	4.3 — 4R3E	✓	✓	✓	✓	✓	✓	82 — 82RE	✓	✓	✓	✓	✓	✓	3000 — 3K0	✓	✓	✓	✓	✓	
0.27 — R27E	✓	✓	✓	✓	✓	✓	4.7 — 4R7E	✓	✓	✓	✓	✓	✓	100 — 100E	✓	✓	✓	✓	✓	✓	3300 — 3K3	✓	✓	✓	✓	✓	
0.30 — R30E	✓	✓	✓	✓	✓	✓	5.6 — 5R6E	✓	✓	✓	✓	✓	✓	150 — 150E	✓	✓	✓	✓	✓	✓	3900 — 3K9	✓	✓	✓	✓	✓	
0.33 — R33E	✓	✓	✓	✓	✓	✓	6.8 — 6R8E	✓	✓	✓	✓	✓	✓	200 — 200E	✓	✓	✓	✓	✓	✓	4300 — 4K3	✓	✓	✓	✓	✓	
0.39 — R39E	✓	✓	✓	✓	✓	✓	7.5 — 7R5E	✓	✓	✓	✓	✓	✓	270 — 270E	✓	✓	✓	✓	✓	✓	4700 — 4K7	✓	✓	✓	✓	✓	
0.43 — R43E	✓	✓	✓	✓	✓	✓	8.2 — 8R2E	✓	✓	✓	✓	✓	✓	300 — 300E	✓	✓	✓	✓	✓	✓	5600 — 5K6	✓	✓	✓	✓	✓	
0.47 — R47E	✓	✓	✓	✓	✓	✓	10 — 10RE	✓	✓	✓	✓	✓	✓	330 — 330E	✓	✓	✓	✓	✓	✓	6800 — 6K8	✓	✓	✓	✓	✓	
0.56 — R56E	✓	✓	✓	✓	✓	✓	15 — 15RE	✓	✓	✓	✓	✓	✓	390 — 390E	✓	✓	✓	✓	✓	✓	7500 — 7K5	✓	✓	✓	✓	✓	
0.68 — R68E	✓	✓	✓	✓	✓	✓	20 — 20RE	✓	✓	✓	✓	✓	✓	430 — 430E	✓	✓	✓	✓	✓	✓	8200 — 8K2	✓	✓	✓	✓	✓	
0.75 — R75E	✓	✓	✓	✓	✓	✓	27 — 27RE	✓	✓	✓	✓	✓	✓	470 — 470E	✓	✓	✓	✓	✓	✓	10000 — 10K	✓	✓	✓	✓	✓	
0.82 — R82E	✓	✓	✓	✓	✓	✓	30 — 30RE	✓	✓	✓	✓	✓	✓	560 — 560E	✓	✓	✓	✓	✓	✓							

Check product availability at www.ohmite.com

Shaded area: change prefix to TUM