



- Terminals suitable for soldering or bolt connection.
- Adjustable lug supplied.
- High wattage applications.
- All-welded construction.
- Rugged lead free vitreous enamel coating.
- Flame resistant coating.
- Thumb-screw-adjustable lug available (Part No. 2160) for 1.125" core resistors.
- RoHS compliant product available. Add "E" suffix to part number to specify.

To calculate max. amps: use the formula $\sqrt{P/R}$.

**See page 36
for mounting hardware**

Core: Tubular ceramic.

Coating
Blank = Vitreous
| C = Centohm
| S = Silicone

RoHS Compliant

D 25 K 100 E

Series Wattage Tolerance Ohms

J = 5%
K = 10%

1R0 = 1 Ω
250 = 250 Ω
1K0 = 1,000 Ω
25K = 25,000 Ω
25K5 = 25,500 Ω

Core Diameter
See "Core and Terminal Selection"

Terminal Type
See "Resistor Terminals for Tubular Cores"

RoHS Compliant

2 1 0 5 0 K 4 0 5 R 0 0 J E

Coating
210 = Vitreous
410 = Silicone Ceramic
610 = Centohm

Wattage

Ohms
R500 = 0.500 Ω
1R00 = 1 Ω
250R = 250 Ω
1K00 = 1,000 Ω
25K0 = 25,000 Ω
25K5 = 25,500 Ω

Tolerance
J = 5%
K = 10%

See website for custom core and terminal info

Power rating	Resistance value	No power derating necessary for ratings higher than 100W.
12W	4,500Ω	
25W	9,000Ω	
50W	20,000Ω	
75W	35,000Ω	
100W	50,000Ω	

Standard Part Numbers for 1% Values																													
Ohmic value		Wattage							Ohmic value		Wattage							Ohmic value		Wattage									
		12	25	50	75	100	175	225			500	1000	12	25	50	75	100			175	225	500	1000	12	25	50	75	100	175
Part No.	Prefix	Suffix	Part No.	Prefix	Suffix	Part No.	Prefix	Suffix	Part No.	Prefix	Suffix	Part No.	Prefix	Suffix	Part No.	Prefix	Suffix	Part No.	Prefix	Suffix	Part No.	Prefix	Suffix	Part No.	Prefix	Suffix	Part No.	Prefix	Suffix
1.0	—	1R0E	✓	✓	✓	✓	✓	✓	✓	✓	✓	150	—	150E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	—	2R0E	✓	✓	✓	✓	✓	✓	✓	✓	✓	200	—	200E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3	—	3R0E	✓	✓	✓	✓	✓	✓	✓	✓	✓	250	—	250E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
4	—	4R0E	✓	✓	✓	✓	✓	✓	✓	✓	✓	300	—	300E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5	—	5R0E	✓	✓	✓	✓	✓	✓	✓	✓	✓	400	—	400E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
7.5	—	7R5E	✓	✓	✓	✓	✓	✓	✓	✓	✓	500	—	500E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	—	10RE	✓	✓	✓	✓	✓	✓	✓	✓	✓	750	—	750E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	—	15RE	✓	✓	✓	✓	✓	✓	✓	✓	✓	800	—	800E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
20	—	20RE	✓	✓	✓	✓	✓	✓	✓	✓	✓	1,000	—	1K0E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
25	—	25RE	✓	✓	✓	✓	✓	✓	✓	✓	✓	1,250	—	1K25E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
50	—	50RE	✓	✓	✓	✓	✓	✓	✓	✓	✓	1,500	—	1K5E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
75	—	75RE	✓	✓	✓	✓	✓	✓	✓	✓	✓	2,000	—	2K0E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
100	—	100E	✓	✓	✓	✓	✓	✓	✓	✓	✓	2,500	—	2K5E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

✓ = Standard values; check availability using the worldwide inventory search at www.ohmite.com

50KΩ and 100KΩ resistance values involve very fine resistance wire and should not be used in critical applications without burn-in and/or thermal cycling.