

FEATURES

- Rugged vitreous enamel coating withstands high humidity and temperature cycling.
- Durable construction, recommended for industrial applications where reliability is paramount.
- All-welded construction.
- Flame resistant lead free vitreous enamel coating.
- RoHS compliant; Add "E" suffix to part number to specify.

SPECIFICATIONS

Material

Coating: Conformal
lead free vitreous enamel.

Core: Ceramic.

Terminals: Solder-coated axial.
RoHS solder composition is 96% Sn, 3.5% Ag, 0.5% Cu

Derating

Linearly from
100% @ +25°C to
0% @ +350°C.

Electrical

Tolerance: ±5% standard.
Other tolerances available.

Power rating: Based on 25°C free air rating (other wattages available).

Overload:

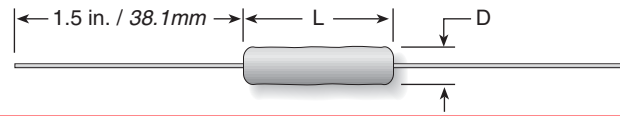
Under 7 watts: 5 times rated wattage for 5 seconds.
7 watts and over: 10 times rated wattage for 5 seconds.

Temperature coefficient:
1 to 9.99 ohms: ±50 ppm/°C
10 ohms and over: ±30 ppm/°C



20 Series

Vitreous Enamel Conformal Axial Terminal Wirewound, 5% Tolerance Standard



Series	Wattage	Ohms	Dimensions (in./mm max.)		Max. Volt. **	Lead ga.
			Length*	Diam.*		
21	1	1.0-3.0K	0.421 / 10.7	0.156 / 4.0	75	24
22	2	1.0-3.0K	0.421 / 10.7	0.219 / 5.6	65	20
23	3	0.1-10K	0.515 / 13.1	0.220 / 5.6	135	20
25	5	0.1-28K	1.015 / 25.8	0.276 / 7.0	330	20
27	7	0.1-25K	1.265 / 32.1	0.394 / 10.0	450	20
20	10	0.1-100K	1.859 / 47.2	0.394 / 10.0	720	20

12.5 watt size available on special order
*For units below 1Ω, add 15% to body diameter, 10% to body length.
**Maximum Voltage is based on Ohm's Law [V=√P*R] as limited by the resistance value of specified product

ORDERING INFORMATION

RoHS Compliant

21JR10E

20 Series

Vitreous Enamel

Axial Lead

Wirewound

Wattage

1 = 1W

2

3

5

7

0 = 10W

Tolerance

J = 5%

Resistance Value

R10 = 0.10Ω

1R0 = 1.0Ω

10R = 10.0Ω

250 = 250Ω

1K0 = 1,000Ω

4K5 = 4,500Ω

50K = 50,000Ω

Check product
availability at
ohmite.com

The 20 Series axial terminal resistors are both durable and economical. They have all the electrical attributes of the more expensive 90 Series resistors, including all-welded construction. They offer the durability of a lead free conformal vitreous enamel coating and are ideal for computer, communications and industrial applications in which cost, quality, and reliability are key considerations.

STANDARD PART NUMBERS FOR 20 SERIES

Ohmic value	Part No. Prefix Suffix	Wattage						Ohmic value	Part No. Prefix Suffix	Wattage						Ohmic value	Part No. Prefix Suffix	Wattage													
		1	2	3	5	7	10			1	2	3	5	7	10			1	2	3	5	7	10								
0.10	R10							62	62R							1,800	1K8							2,000	2K0						
0.13	R13							68	68R							2,200	2K2							2,500	2K5						
0.15	R15							75	75R							2,700	2K7							3,000	3K0						
0.20	R20							82	82R							3,300	3K3							3,500	3K5						
0.25	R25							100	100							3,900	3K9							4,000	4K0						
0.30	R30							120	120							4,500	4K5							4,700	4K7						
0.33	R33							125	125							5,000	5K0							6,000	6K0						
0.50	R50							150	150							6,800	6K8							7,000	7K0						
0.75	R75							180	180							7,500	7K5							8,000	8K0						
1	R10							200	200							9,000	9K0							10,000	10K						
1.5	R15							220	220							12,000	12K							13,000	13K						
2	R20							225	225							15,000	15K							17,000	17K						
2.2	R22							250	250							20,000	20K							22,000	22K						
3	R30							270	270							25,000	25K							30,000	30K						
4	R40							300	300							33,000	33K							35,000	35K						
5	R50							330	330							40,000	40K							50,000	50K						
7.5	R75							350	350																						
10	R10R							390	390																						
12	R12R							400	400																						
15	R15R							450	450																						
18	R18R							470	470																						
20	R20R							500	500																						
22	R22R							560	560																						
25	R25R							600	600																						
27	R27R							680	680																						
30	R30R							750	750																						
33	R33R							800	800																						
35	R35R							820	820																						
39	R39R							900	900																						
40	R40R							1,000	1K0																						
47	R47R							1,100	1K1																						
50	R50R							1,200	1K2																						
56	R56R							1,500	1K5																						

✓ = Standard values
✦ = Non-standard values subject to minimum handling charge per item

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



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Благодаря развитой сети поставщиков, помогаем в поиске и приобретении экзотичных или снятых с производства компонентов.

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