SPECIFICATIONS

Material

Core: Ceramic.

Coating: Vitreous enamel except for values above 4.7K (3W) and 7.5K (5W), which are supplied in silicone-ceramic coatings.

Terminals: Solder coated radial. #20 ga. tinned terminals require 0.046 in. (1.168 mm) holes (2). RoHS solder composition is 96% Sn, 3.5% Ag, 0.5% Cu

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

Note: Values above 3.9K (3W) and 8.2K (5W) involve very fine resistance wire and should not be used in critical applications without burn-in and/or thermal cycling.

Electrical

Tolerance: ±5% (J) (other tolerances available).

Power rating: Based on 25°C free air rating.

Overload:
3 watt: 5 times rated wattage for 5 seconds.
5.25 watt: 10 times rated wattage for 5 seconds.

Temperature coefficient: ±260 ppm/°C.

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

ORDERING INFORMATION

RoHS Compliant

R 5 J 1 K 0 E

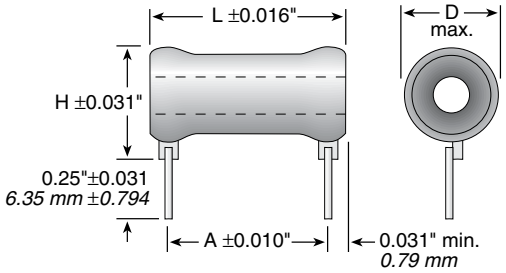
PC-58 Series	Wattage	Tolerance	Ohm Value
		J = 5%	Example: 1R0 = 1.0Ω 10R = 10.0Ω 250 = 250Ω 4K7 = 4,700Ω

FEATURES

- Radial construction for direct insertion into printed circuit boards; fit standard 0.10 inch matrix boards with standard 0.046 inch diameter holes. Provides a built in stand-off to reduce board temperature.
- Space saving radial terminals reduce the total length requirement compared to axial terminal resistors and increase packaging density possibilities.
- Flame resistant lead free vitreous enamel coating.
- RoHS compliant; add "E" suffix to part number to specify.

PC-58 Series

Tubular Radial Terminal Wirewound for PC Board Applications



Series	Wattage	Ohms	Dimensions (in. / *mm*) Length	Height	Diam.	Dim. A	Voltage
R3 (vitreous) (silicone)	3	1-3.9K 4K-10K	0.438 / *11.13*	0.469 / *11.91*	0.313 / *7.95*	0.30 / *7.62*	103
R5 (vitreous) (silicone)	5.25	1-7.4K 7.5K-20K	0.625 / *15.88*	0.516 / *13.11*	0.344 / *8.74*	0.50 / *12.70*	187

STANDARD PART NUMBERS FOR PC-58 SERIES

Ohmic value	Part No. Prefix ➤ Suffix ▼	Wattage 3 R3J	Wattage 5 R5J
1	1R0	✔	✔
1.5	1R5	✔	✔
2	2R0	✔	✔
2.4	2R4	✔	
3	3R0	✔	✔
3.9	3R9	✔	✔
5	5R0		✔
5.1	5R1	✔	
5.6	5R6		✔
7.5	7R5	✔	
10	10R	✔	✔
15	15R	✔	✔
18	18R		✔
20	20R	✔	✔
22	22R		✔
25	25R		✔
30	30R	✔	✔
40	40R		✔
50	50R	✔	✔
51	51R		✔
56	56R	✔	✔
68	68R	✔	✔
75	75R		✔
82	82R	✔	✔
100	100	✔	✔
120	120	✔	✔
150	150	✔	✔
160	160		✔
200	200	✔	✔
220	220		✔
250	250	✔	✔
270	270	✔	✔
300	300	✔	✔
330	330	✔	✔
350	350		✔
390	390	✔	
400	400		✔
430	430	✔	
500	500	✔	✔
510	510		✔
560	560	✔	✔
600	600	✔	✔
620	620	✔	
750	750	✔	✔
800	800		✔
820	820	✔	
910	910	✔	
1000	1K0	✔	✔
1200	1K2	✔	✔
1300	1K3		✔
1500	1K5	✔	
1800	1K8	✔	✔
2000	2K0	✔	✔
2200	2K2		✔
2400	2K4	✔	
2500	2K5		✔
2700	2K7	✔	
3000	3K0	✔	✔
3300	3K3		✔
3900	3K9	✔	✔
4700	4K7	✔	✔
5000	5K0	✔	✔
5600	5K6	✔	✔
6200	6K2	✔	✔
6800	6K8		
7500	7K5	✔	✔
8200	8K2		✔
9000	9K0	✔	✔
9100	9K1		✔
10,000	10K	✔	✔
12,000	12K		✔
15,000	15K		✔
20,000	20K		✔

✔ = Standard values

Values above 3.9K (3W) and 8.2K (5W) involve very fine resistance wire and should not be used in critical applications without burn-in and/or thermal cycling.

Values above 4.7K (3W) and 7.5K (5W) supplied in silicone-ceramic coatings instead of vitreous enamel.

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Our friendly Customer Service team can be reached at 866-9-OHMITE