Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

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

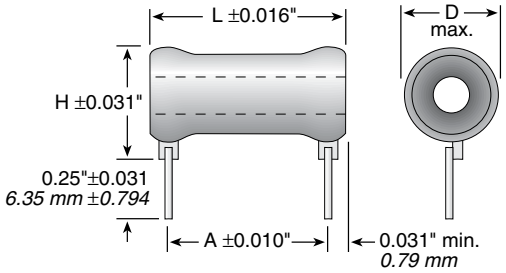
PC-58 Series	Wattage	Tolerance	Ohm Value
		J = 5%	Example: 1R0 = 1.0Ω 10R = 10.0Ω 250 = 250Ω 4K7 = 4,700Ω

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	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.

Check product availability at **www.ohmite.com**

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