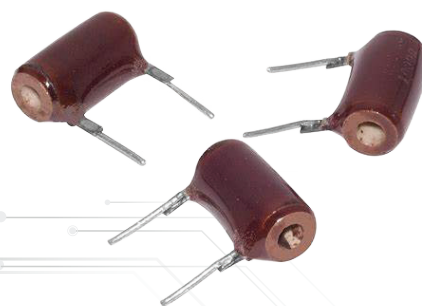


PC-58 Series

Tubular Radial Terminal Wirewound for
PC Board Applications



FEATURES

- Radial construction for direct insertion into printed circuit boards; fit standard 2.54mm matrix boards with standard 1.168mm 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.

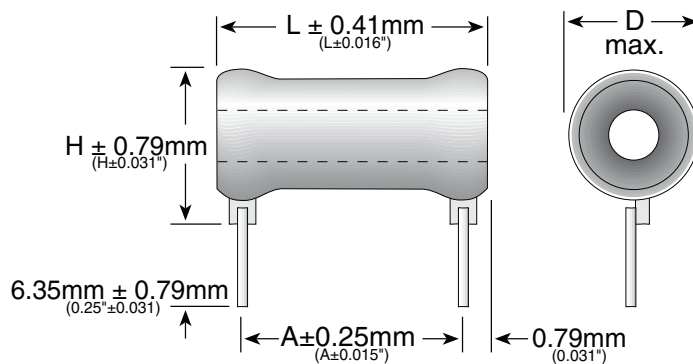
SPECIFICATIONS

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 1.168mm 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:	±260ppm/°C
Max. amps:	To calculate, use the formula $\sqrt{P/R}$

DIMENSIONS

mm(in.)

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



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STANDARD PART NUMBERS FOR PC-58 SERIES

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

✓ = 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 burnin and/or thermal cycling.
Values above 4.7K (3W) and 7.5K (5W) supplied in silicone-ceramic coatings instead of vitreous enamel.

ORDERING INFORMATION

RoHS
Compliant

R 5 J 1 K 0 E

PC-58
Series

Wattage

Tolerance
J = 5%

Ohm Value
Example:
1R0 = 1.0Ω
10R = 10.0Ω
250 = 250Ω
4K7 = 4,700Ω