



**THE DATASHEET OF  
6000-470K-RC**



# Radial Lead RF Chokes



Model 6000 is currently available, although not recommended for new designs. [Model RLB9012](#) is preferred.

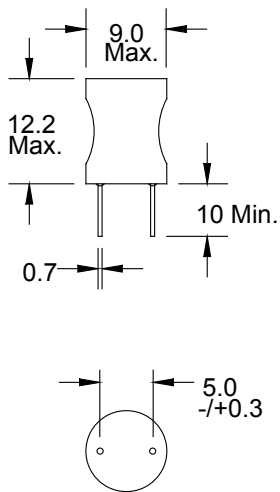
### Special Features

- High current capacity
- Ferrite bobbin core
- Low core loss at frequency
- High reliability, efficiency
- Winding covered with shrink tubing
- Fixed lead spacing
- Operating temperature -55 to +105 °C

### Notes

\* Current to cause 5 % max. inductance drop

† RoHS Directive 2002/95/EC Jan 27 2003 including Annex.



Dimensions: mm



**WARNING Cancer and Reproductive Harm**  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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6000 Series						
Part Number	L (μH) 1 kHz/1 V ±20 %	Q Min.	Q Test Freq. (MHz)	SRF (MHz) Min.	DCR Ω Max.	I, DC* (A)
6000-1R0M-RC	1.0	20	7.96	150	0.013	10
6000-1R5M-RC	1.5	20	7.96	130	0.016	8.5
6000-2R2M-RC	2.2	20	7.96	100	0.021	6.5
6000-3R3M-RC	3.3	20	7.96	79	0.025	5.5
6000-4R7M-RC	4.7	20	7.96	51	0.030	4.6
6000-6R8M-RC	6.8	20	7.96	29	0.035	4.1
±10 %						
6000-100K-RC	10	50	2.52	14	0.045	3.4
6000-120K-RC	12	50	2.52	13	0.050	3.1
6000-150K-RC	15	50	2.52	12	0.056	2.9
6000-180K-RC	18	40	2.52	11	0.061	2.66
6000-220K-RC	22	40	2.52	9.2	0.070	2.4
6000-270K-RC	27	40	2.52	8.5	0.080	2.22
6000-330K-RC	33	30	2.52	7.8	0.090	2.05
6000-390K-RC	39	30	2.52	6.9	0.10	1.85
6000-470K-RC	47	30	2.52	6.5	0.16	1.77
6000-560K-RC	56	30	2.52	5.4	0.18	1.48
6000-680K-RC	68	30	2.52	4.9	0.21	1.36
6000-820K-RC	82	30	2.52	4.1	0.23	1.3
6000-101K-RC	100	20	0.796	3.7	0.28	1.4
6000-121K-RC	120	20	0.796	3.4	0.32	1.25
6000-151K-RC	150	20	0.796	3.2	0.37	1.15
6000-181K-RC	180	20	0.796	2.8	0.58	1.08
6000-221K-RC	220	20	0.796	2.7	0.65	1.0
6000-271K-RC	270	20	0.796	2.4	0.75	0.90
6000-331K-RC	330	20	0.796	2.3	0.85	0.78
6000-391K-RC	390	20	0.796	2.1	1.0	0.74
6000-471K-RC	470	20	0.796	1.9	1.1	0.68
6000-561K-RC	560	20	0.796	1.8	1.4	0.64
6000-681K-RC	680	20	0.796	1.6	1.6	0.59
6000-821K-RC	820	20	0.796	1.5	1.8	0.56
6000-102K-RC	1000	20	0.252	1.3	2.9	0.51
6000-122K-RC	1200	15	0.252	1.2	3.4	0.48
6000-152K-RC	1500	15	0.252	1.1	3.8	0.43
6000-182K-RC	1800	15	0.252	1.0	5.3	0.39
6000-222K-RC	2200	15	0.252	0.8	5.9	0.36
6000-272K-RC	2700	15	0.252	0.7	8.2	0.32
6000-332K-RC	3300	15	0.252	0.6	9.1	0.29
6000-392K-RC	3900	15	0.252	0.55	9.9	0.27
6000-472K-RC	4700	15	0.252	0.5	13.6	0.24
6000-562K-RC	5600	15	0.252	0.45	14.9	0.22
6000-682K-RC	6800	15	0.252	0.4	20.7	0.20
6000-822K-RC	8200	15	0.252	0.35	22.7	0.18
6000-103K-RC	10,000	15	0.079	0.32	25.1	0.17
6000-123K-RC	12,000	15	0.079	0.28	34.7	0.15
6000-153K-RC	15,000	15	0.079	0.25	48.9	0.14
6000-183K-RC	18,000	15	0.079	0.23	53.6	0.12
6000-223K-RC	22,000	15	0.079	0.21	59.3	0.11
6000-273K-RC	27,000	15	0.079	0.19	82.7	0.10
6000-333K-RC	33,000	15	0.079	0.17	91.5	0.09
6000-393K-RC	39,000	15	0.079	0.15	125.5	0.08
6000-473K-RC	47,000	15	0.079	0.12	137.8	0.08

“-RC” suffix indicates RoHS compliance.

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