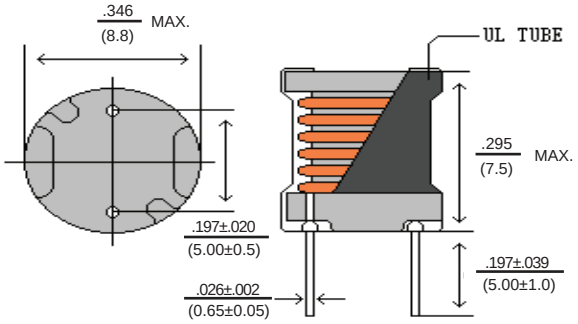
RB0807 Radial Bobbin Inductors



Dimensions: Inches / (mm)



Features

- Small Foot Print.
- Extensive Inductance Range
- UL Polyolefin Tubing

Electrical

Inductance Range: 2.2uh ~ 18,000uh

Tolerance: 10% over entire range.

Test Frequency: 100KHz, .01V

Operating Temperature: -55ºC to + 125ºC.

Isat: Based on Inductance change by no more than 10% of initial value.

Irms: Current at which the temperature of the part will increase by 20º and 40º as shown from 25º ambient.

Under no circumstances should the temperature of the part increase to more than 125ºC

Test Equipment

Inductance: HP4284A.

DCR: CH-301 Current Source & DCR Meter

Current: CH-301 Current Source & DCR Meter

SRF: 9461L

Physical

Packaging: 600 pieces per bag.

Marking: EIA Inductance Code

Allied Part Number	Inductance (µh)	Tolerance (%)	DCR Max. (Ω)	SRF Min. (MHz)	Isat (A)	Irms (A)	
						20ºC Rise	40ºC Rise
RB0807-2R2K-RC	2.2	10	0.012	80	6.00	5.00	7.50
RB0807-2R7K-RC	2.7	10	0.014	40	5.50	4.60	6.54
RB0807-3R3K-RC	3.3	10	0.017	40	5.00	4.20	5.97
RB0807-3R9K-RC	3.9	10	0.020	40	4.50	3.70	5.26
RB0807-4R7K-RC	4.7	10	0.024	40	4.20	3.50	4.98
RB0807-5R6K-RC	5.6	10	0.028	40	4.00	3.40	4.83
RB0807-6R8K-RC	6.8	10	0.033	30	3.60	3.20	4.55
RB0807-8R2K-RC	8.2	10	0.035	30	3.30	3.00	4.27
RB0807-100K-RC	10	10	0.040	30	3.10	3.00	4.20
RB0807-120K-RC	12	10	0.050	30	2.80	2.50	3.56
RB0807-150K-RC	15	10	0.065	25	2.50	2.25	3.20
RB0807-180K-RC	18	10	0.078	20	2.30	2.07	2.94
RB0807-220K-RC	22	10	0.100	20	2.10	1.90	2.70
RB0807-270K-RC	27	10	0.110	17	1.90	1.70	2.42
RB0807-330K-RC	33	10	0.120	15	1.70	1.50	2.13
RB0807-390K-RC	39	10	0.160	13	1.60	1.45	2.06
RB0807-470K-RC	47	10	0.190	12	1.45	1.30	1.85
RB0807-560K-RC	56	10	0.210	11	1.30	1.20	1.71
RB0807-680K-RC	68	10	0.280	10	1.20	1.10	1.56
RB0807-820K-RC	82	10	0.330	9	1.10	1.00	1.42
RB0807-101K-RC	100	10	0.400	8	1.00	0.90	1.30
RB0807-121K-RC	120	10	0.450	7	0.90	0.80	1.14
RB0807-151K-RC	150	10	0.510	6	0.80	0.72	1.02
RB0807-181K-RC	180	10	0.700	5	0.70	0.63	0.90
RB0807-221K-RC	220	10	0.800	5	0.65	0.60	0.85
RB0807-271K-RC	270	10	0.900	4.5	0.60	0.55	0.78
RB0807-331K-RC	330	10	1.16	4.5	0.55	0.50	0.71
RB0807-391K-RC	390	10	1.31	3.5	0.45	0.40	0.57
RB0807-471K-RC	470	10	1.75	2.9	0.40	0.36	0.51
RB0807-561K-RC	560	10	1.95	2.7	0.38	0.35	0.50
RB0807-681K-RC	680	10	2.20	2.6	0.35	0.31	0.44
RB0807-821K-RC	820	10	3.00	2.6	0.32	0.29	0.41
RB0807-102K-RC	1000	10	3.40	2.6	0.30	0.25	0.40
RB0807-122K-RC	1200	10	4.50	2.3	0.28	0.24	0.34
RB0807-152K-RC	1500	10	5.20	2.1	0.25	0.21	0.30
RB0807-182K-RC	1800	10	5.80	1.8	0.22	0.20	0.28
RB0807-222K-RC	2200	10	8.00	1.5	0.20	0.18	0.26
RB0807-272K-RC	2700	10	8.90	1.2	0.18	0.17	0.24
RB0807-332K-RC	3300	10	11.8	1.1	0.15	0.14	0.19
RB0807-392K-RC	3900	10	13.1	1.0	0.12	0.11	0.16
RB0807-472K-RC	4700	10	17.6	1.0	0.10	0.10	0.15
RB0807-562K-RC	5600	10	19.6	0.9	0.10	0.10	0.15
RB0807-682K-RC	6800	10	27.0	0.8	0.10	0.10	0.14
RB0807-822K-RC	8200	10	30.0	0.7	0.10	0.10	0.14
RB0807-103K-RC	10000	10	34.0	0.7	0.10	0.10	0.13
RB0807-123K-RC	12000	10	46.0	0.6	0.08	0.10	0.13
RB0807-153K-RC	15000	10	53.0	0.5	0.06	0.08	0.11
RB0807-183K-RC	18000	10	56.0	0.5	0.05	0.08	0.10

All specifications subject to change without notice.