



Dimensions in mm.

Notes for RL88 radial power inductor:  
 Operating temperature range: - 55°C ~ + 125°C.  
 Inductance tolerance: K = ± 10% over the entire inductance range.  
 Sleeving: UL-approved polyolefin shrink tube.  
 Manufactured to RoHS compliance.

Current rating: Based on DC current at which the inductance value drops 10% from its value without current  
 Testing: Inductance measured on HP4284A at 100KHz, 0.1V.  
 DCR and IDC measured on CH-301 current source and DCR meter, SRF measured on HM9461L.

Part Number	Inductance [ $\mu\text{H}$ , $\pm 10\%$ ]	DCR Max. [ $\Omega$ ]	SRF Typ. [MHz]	ISAT [A]	IRMS [A] 20°C Rise	IRMS [A] 40°C Rise
RL88-2R2K	2.2	0.012	80	6.00	5.00	7.50
RL88-2R7K	2.7	0.014	40	5.50	4.60	6.54
RL88-3R3K	3.3	0.017	40	5.00	4.20	5.97
RL88-3R9K	3.9	0.020	40	4.50	3.70	5.26
RL88-4R7K	4.7	0.024	40	4.20	3.50	4.98
RL88-5R6K	5.6	0.028	40	4.00	3.40	4.83
RL88-6R8K	6.8	0.033	30	3.60	3.20	4.55
RL88-8R2K	8.2	0.035	30	3.30	3.00	4.27
RL88-100K	10	0.040	30	3.10	3.00	4.20
RL88-120K	12	0.050	30	2.80	2.50	3.56
RL88-150K	15	0.065	25	2.50	2.25	3.20
RL88-180K	18	0.078	20	2.30	2.07	2.94
RL88-220K	22	0.100	20	2.10	1.90	2.70
RL88-270K	27	0.110	17	1.90	1.70	2.42
RL88-330K	33	0.120	15	1.70	1.50	2.13
RL88-390K	39	0.160	13	1.60	1.45	2.06
RL88-470K	47	0.190	12	1.45	1.30	1.85
RL88-560K	56	0.210	11	1.30	1.20	1.71
RL88-680K	68	0.280	10	1.20	1.10	1.56
RL88-820K	82	0.330	9	1.10	1.00	1.42
RL88-101K	100	0.400	8	1.00	0.90	1.30
RL88-121K	120	0.450	7	0.90	0.80	1.14
RL88-151K	150	0.510	6	0.80	0.72	1.02
RL88-181K	180	0.700	5	0.70	0.63	0.90
RL88-221K	220	0.800	5	0.65	0.60	0.85
RL88-271K	270	0.900	4.5	0.60	0.55	0.78
RL88-331K	330	1.16	4.5	0.55	0.50	0.71
RL88-391K	390	1.31	3.5	0.45	0.40	0.57
RL88-471K	470	1.75	2.9	0.40	0.36	0.51
RL88-561K	560	1.95	2.7	0.38	0.35	0.50
RL88-681K	680	2.20	2.6	0.35	0.31	0.44
RL88-821K	820	3.00	2.6	0.32	0.29	0.41
RL88-102K	1000	3.40	2.6	0.30	0.25	0.40
RL88-122K	1200	4.50	2.3	0.28	0.24	0.34
RL88-152K	1500	5.20	2.1	0.25	0.21	0.30
RL88-182K	1800	5.80	1.8	0.22	0.20	0.28
RL88-222K	2200	8.00	1.5	0.20	0.18	0.26
RL88-272K	2700	8.90	1.2	0.18	0.17	0.24
RL88-332K	3300	11.8	1.1	0.15	0.14	0.19
RL88-392K	3900	13.1	1.0	0.12	0.11	0.16
RL88-472K	4700	17.6	1.0	0.10	0.10	0.15
RL88-562K	5600	19.6	0.9	0.10	0.10	0.15
RL88-682K	6800	27.0	0.8	0.10	0.10	0.14
RL88-822K	8200	30.0	0.7	0.10	0.10	0.14
RL88-103K	10,000	34.0	0.7	0.10	0.10	0.13
RL88-123K	12,000	46.0	0.6	0.08	0.10	0.13
RL88-153K	15,000	53.0	0.5	0.06	0.08	0.11
RL88-183K	18,000	56.0	0.5	0.05	0.08	0.10