

# Low Core Loss, High Current Toroid Inductors

## Special Features

- Low core loss
- Low magnetic radiation
- High current capacity
- Horizontal or vertical mount available
- Operating temperature: -55 to +125 °C

## Typical Applications

- Switch mode power supplies
- DC/DC converters
- Output chokes
- EMI filters

## Notes

- \* Rated I<sub>dc</sub> causes a 30 °C temperature rise
  - \*\* Insert -H or -V for mounting style before -RC
- Example: 2200LL-1R0-V-RC

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

2200LL Series							
Part Number**	L (μH) ± 20 % @ 1 KHz	I <sub>dc</sub> * (A)	L (μH) ± 20 % @ I rated	DCR (Ω) Max.	Dim. A Nom.	Dim. B Nom.	Dim. C Nom.
2200LL-1R0-RC	1.0	26.1	0.8	0.002	0.47	1.05	0.053
2200LL-1R8-RC	1.8	22.6	1.4	0.002	0.47	1.05	0.053
2200LL-2R7-RC	2.7	20.3	1.9	0.003	0.47	1.05	0.053
2200LL-3R9-RC	3.9	18.5	2.7	0.004	0.47	1.05	0.053
2200LL-4R7-RC	4.7	17.1	3.1	0.004	0.47	1.05	0.053
2200LL-6R8-RC	6.8	16.0	4.4	0.005	0.47	1.05	0.053
2200LL-8R2-RC	8.2	15.1	5.1	0.005	0.47	1.05	0.053
	± 15 %		± 15 %				
2200LL-100-RC	10	14.3	6.0	0.006	0.47	1.05	0.053
2200LL-120-RC	12	14.2	6.9	0.006	0.47	1.05	0.053
2200LL-150-RC	15	13.6	8.3	0.007	0.47	1.05	0.053
2200LL-180-RC	18	13.1	9.7	0.007	0.47	1.05	0.053
2200LL-220-RC	22	12.6	11.5	0.008	0.47	1.05	0.053
2200LL-270-RC	27	11.8	13.5	0.009	0.47	1.05	0.053
2200LL-330-RC	33	11.1	15.7	0.010	0.47	1.05	0.053
2200LL-390-RC	39	10.8	18.1	0.011	0.47	1.05	0.053
2200LL-470-RC	47	10.3	20.9	0.012	0.47	1.05	0.053
2200LL-560-RC	56	9.8	23.9	0.013	0.47	1.05	0.053
2200LL-680-RC	68	7.6	33.9	0.022	0.45	1.03	0.042
2200LL-820-RC	82	7.1	39.0	0.024	0.45	1.03	0.042
2200LL-101-RC	100	6.8	45.6	0.027	0.45	1.03	0.042
2200LL-121-RC	120	5.1	63.4	0.047	0.43	1.01	0.034
2200LL-151-RC	150	4.9	76.0	0.052	0.43	1.01	0.034
2200LL-181-RC	180	4.7	88.5	0.057	0.43	1.01	0.034
2200LL-221-RC	220	4.4	103.1	0.063	0.43	1.01	0.034
2200LL-271-RC	270	4.2	121.1	0.070	0.43	1.01	0.034
2200LL-331-RC	330	4.0	141.9	0.077	0.43	1.01	0.034
2200LL-391-RC	390	3.8	161.2	0.084	0.43	1.01	0.034
2200LL-471-RC	470	3.7	185.7	0.092	0.43	1.01	0.034
2200LL-561-RC	560	3.5	212.0	0.101	0.43	1.01	0.034
2200LL-681-RC	680	2.7	307.6	0.176	0.47	0.99	0.027
2200LL-821-RC	820	2.5	355.5	0.194	0.47	0.99	0.027
2200LL-102-RC	1000	2.4	412.5	0.216	0.47	0.99	0.027

“-RC” suffix indicates RoHS compliance.

