

# 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

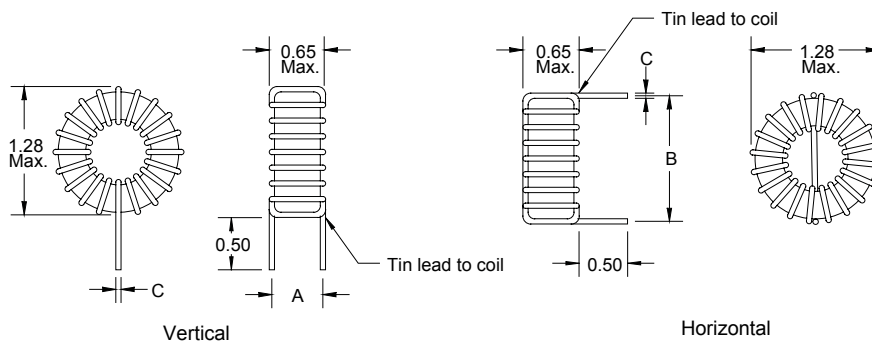
## Notes

- \* Rated I<sub>dc</sub> causes a 30 °C temperature rise
  - \*\* Insert -H or -V for mounting style before -RC
- Example: 2300LL-390-V-RC

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

2300LL 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.
2300LL-1R5-RC	1.5	34.0	1.1	0.001	0.59	1.21	0.066
2300LL-2R7-RC	2.7	29.4	1.9	0.002	0.59	1.21	0.066
2300LL-3R9-RC	3.9	26.3	2.6	0.002	0.59	1.21	0.066
2300LL-5R6-RC	5.6	24.0	3.5	0.003	0.59	1.21	0.066
2300LL-8R2-RC	8.2	22.3	4.9	0.003	0.59	1.21	0.066
		± 15 %	± 15 %				
2300LL-100-RC	10	20.8	5.8	0.004	0.59	1.21	0.066
2300LL-120-RC	12	19.6	6.7	0.004	0.59	1.21	0.066
2300LL-150-RC	15	18.6	8.0	0.005	0.59	1.21	0.066
2300LL-180-RC	18	18.5	9.0	0.005	0.59	1.21	0.066
2300LL-220-RC	22	17.7	10.6	0.005	0.59	1.21	0.066
2300LL-270-RC	27	17.0	12.6	0.006	0.59	1.21	0.066
2300LL-330-RC	33	13.0	17.9	0.010	0.56	1.18	0.053
2300LL-390-RC	39	12.2	20.1	0.011	0.56	1.18	0.053
2300LL-470-RC	47	11.8	23.7	0.012	0.56	1.18	0.053
2300LL-560-RC	56	8.9	31.9	0.020	0.54	1.16	0.042
2300LL-680-RC	68	8.5	37.4	0.023	0.54	1.16	0.042
2300LL-820-RC	82	8.1	43.7	0.025	0.54	1.16	0.042
2300LL-101-RC	100	7.8	51.7	0.027	0.54	1.16	0.042
2300LL-121-RC	120	7.4	59.3	0.030	0.54	1.16	0.042
2300LL-151-RC	150	7.0	71.1	0.033	0.54	1.16	0.042
2300LL-181-RC	180	6.7	82.1	0.037	0.54	1.16	0.042
2300LL-221-RC	220	5.1	116.6	0.063	0.52	1.14	0.034
2300LL-271-RC	270	4.8	137.7	0.070	0.52	1.14	0.034
2300LL-331-RC	330	4.6	160.8	0.079	0.52	1.14	0.034
2300LL-391-RC	390	4.4	183.6	0.085	0.52	1.14	0.034
2300LL-471-RC	470	4.2	212.5	0.094	0.52	1.14	0.034
2300LL-561-RC	560	4.0	243.6	0.103	0.52	1.14	0.034
2300LL-681-RC	680	3.8	283.0	0.113	0.52	1.14	0.034
2300LL-821-RC	820	3.6	327.4	0.123	0.52	1.14	0.034
2300LL-102-RC	1000	3.5	378.9	0.137	0.52	1.14	0.034

“-RC” suffix indicates RoHS compliance.



Dimensions: Inches