



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# 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: 2100LL-100-H-RC

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

2100LL 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.
2100LL-1R0-RC	1.0	21.4	0.8	0.002	0.37	0.80	0.053
2100LL-1R5-RC	1.5	18.5	1.1	0.003	0.37	0.80	0.053
2100LL-2R2-RC	2.2	16.5	1.5	0.003	0.37	0.80	0.053
2100LL-3R3-RC	3.3	15.1	2.1	0.003	0.37	0.80	0.053
2100LL-4R7-RC	4.7	14.0	2.9	0.003	0.37	0.80	0.053
2100LL-5R6-RC	5.6	13.1	3.3	0.004	0.37	0.80	0.053
2100LL-6R8-RC	6.8	12.3	3.9	0.004	0.37	0.80	0.053
2100LL-8R2-RC	8.2	11.7	4.5	0.005	0.37	0.80	0.053
± 15 %		± 15 %					
2100LL-100-RC	10	11.4	5.2	0.005	0.37	0.80	0.053
2100LL-120-RC	12	10.9	6.1	0.006	0.37	0.80	0.053
2100LL-150-RC	15	10.5	7.3	0.006	0.37	0.80	0.053
2100LL-180-RC	18	10.1	8.5	0.007	0.37	0.80	0.053
2100LL-220-RC	22	7.5	11.8	0.012	0.35	0.78	0.042
2100LL-270-RC	27	7.3	14.2	0.012	0.35	0.78	0.042
2100LL-330-RC	33	6.9	16.6	0.014	0.35	0.78	0.042
2100LL-390-RC	39	6.6	18.8	0.015	0.35	0.78	0.042
2100LL-470-RC	47	5.2	25.3	0.024	0.33	0.76	0.034
2100LL-560-RC	56	5.0	29.3	0.026	0.33	0.76	0.034
2100LL-680-RC	68	4.7	34.0	0.030	0.40	0.76	0.034
2100LL-820-RC	82	4.6	39.9	0.032	0.40	0.76	0.034
2100LL-101-RC	100	4.3	46.2	0.036	0.40	0.76	0.034
2100LL-121-RC	120	4.1	53.5	0.039	0.40	0.76	0.034
2100LL-151-RC	150	3.9	63.8	0.043	0.40	0.76	0.034
2100LL-181-RC	180	3.7	73.3	0.048	0.40	0.76	0.034
2100LL-221-RC	220	3.5	85.1	0.053	0.40	0.76	0.034
2100LL-271-RC	270	2.7	124.2	0.093	0.37	0.74	0.027
2100LL-331-RC	330	2.5	145.1	0.103	0.37	0.74	0.027
2100LL-391-RC	390	2.4	165.4	0.112	0.37	0.74	0.027
2100LL-471-RC	470	2.3	190.1	0.124	0.38	0.76	0.027
2100LL-561-RC	560	2.2	217.9	0.134	0.38	0.76	0.027
2100LL-681-RC	680	2.1	251.9	0.147	0.38	0.76	0.027
2100LL-821-RC	820	1.6	361.6	0.257	0.37	0.75	0.022
2100LL-102-RC	1000	1.5	421.5	0.284	0.37	0.75	0.022

“-RC” suffix indicates RoHS compliance.

