



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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# High Temperature, High Current Toroid Inductors

## Special Features

- High temperature rating -up to +200 °C
- Low magnetic radiation
- High current capacity
- Horizontal or vertical mount available
- Low cost
- Operating temperature: -55 to +200 °C

## Typical Applications

- High operating temperature environments
- DC/DC converters
- Output chokes
- EMI filters

## Notes

- \* Rated I<sub>dc</sub> causes a 50 °C temperature rise
  - \*\* Insert -H or -V for mounting style before -RC
- Example: 2300HT-100-H-RC

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

2300HT Series							
Part Number	L (μH)	I <sub>dc</sub> * (A)	L (μH)	DCR (Ω)	Dim.	Dim.	Dim.
	± 15 % @ 1 KHz		± 15 % @ I rated		A	B	C
				Max.	Nom.	Nom.	Nom.
2300HT-1R2-RC	1.2	38.7	1.0	0.002	0.56	1.18	0.066
2300HT-1R8-RC	1.8	34.6	1.5	0.003	0.56	1.18	0.066
2300HT-2R7-RC	2.7	31.6	2.2	0.003	0.56	1.18	0.066
2300HT-3R9-RC	3.9	29.2	3.1	0.004	0.56	1.18	0.066
2300HT-4R7-RC	4.7	27.3	3.7	0.004	0.56	1.18	0.066
2300HT-5R6-RC	5.6	25.8	4.3	0.005	0.56	1.18	0.066
2300HT-6R8-RC	6.8	24.5	5.1	0.005	0.56	1.18	0.066
2300HT-8R2-RC	8.2	24.3	6.0	0.005	0.56	1.18	0.066
2300HT-100-RC	10	23.3	7.2	0.006	0.56	1.18	0.066
2300HT-120-RC	12	22.4	8.5	0.006	0.56	1.18	0.066
2300HT-150-RC	15	20.8	10.3	0.007	0.56	1.18	0.066
2300HT-180-RC	18	20.2	12.2	0.007	0.56	1.18	0.066
2300HT-220-RC	22	19.0	14.5	0.008	0.56	1.18	0.066
2300HT-270-RC	27	14.3	19.2	0.014	0.53	1.14	0.053
2300HT-330-RC	33	13.6	23.0	0.015	0.53	1.14	0.053
2300HT-390-RC	39	13.0	26.7	0.017	0.53	1.14	0.053
2300HT-470-RC	47	10.0	34.7	0.028	0.52	1.13	0.042
2300HT-560-RC	56	9.7	40.8	0.030	0.52	1.13	0.042
2300HT-680-RC	68	9.2	48.5	0.034	0.52	1.13	0.042
2300HT-750-RC	75	9.0	52.6	0.036	0.52	1.13	0.042
2300HT-820-RC	82	8.8	57.4	0.037	0.52	1.13	0.042
2300HT-101-RC	100	8.3	68.3	0.041	0.56	1.17	0.042
2300HT-121-RC	120	8.0	80.5	0.045	0.56	1.17	0.042
2300HT-151-RC	150	7.5	97.9	0.050	0.56	1.17	0.042
2300HT-181-RC	180	7.2	114.5	0.055	0.56	1.17	0.042
2300HT-221-RC	220	6.8	136.6	0.061	0.56	1.17	0.042
2300HT-271-RC	270	6.5	163.2	0.067	0.56	1.17	0.042
2300HT-331-RC	330	4.9	218.3	0.10	0.54	1.16	0.037
2300HT-391-RC	390	4.7	252.8	0.13	0.54	1.16	0.037
2300HT-471-RC	470	4.5	297.9	0.14	0.54	1.16	0.037
2300HT-561-RC	560	3.4	389.1	0.24	0.53	1.14	0.027
2300HT-681-RC	680	3.2	461.4	0.27	0.53	1.14	0.027
2300HT-821-RC	820	3.1	545.2	0.30	0.53	1.14	0.027
2300HT-102-RC	1000	2.9	648.2	0.33	0.58	1.17	0.027

“-RC” suffix indicates RoHS compliance.

