

# 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

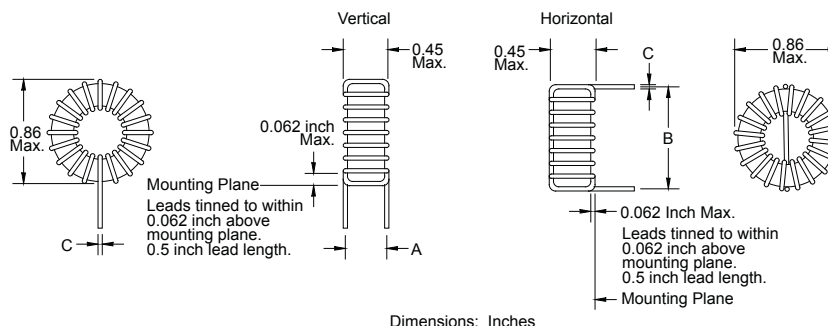
## Notes

- \* Rated I<sub>dc</sub> causes a 50 °C temperature rise
  - \*\* Insert -H or -V for mounting style before -RC
- Example: 2100HT-271-H-RC

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

2100HT Series							
Part Number	L (μH) ± 15 % @ 1 KHz	I <sub>dc</sub> * (A)	L (μH) ±15 % @ I rated	DCR (Ω) Max.	Dim. A Nom.	Dim. B Nom.	Dim. C Nom.
2100HT-1R0-RC	1.0	21.7	0.8	0.003	0.34	0.77	0.053
2100HT-1R5-RC	1.5	19.8	1.2	0.003	0.34	0.77	0.053
2100HT-2R2-RC	2.2	18.3	1.8	0.004	0.34	0.77	0.053
2100HT-2R7-RC	2.7	17.1	2.1	0.004	0.34	0.77	0.053
2100HT-3R3-RC	3.3	16.1	2.6	0.005	0.34	0.77	0.053
2100HT-3R9-RC	3.9	15.3	3.0	0.005	0.34	0.77	0.053
2100HT-4R7-RC	4.7	14.9	3.5	0.006	0.34	0.77	0.053
2100HT-5R6-RC	5.6	14.3	4.1	0.006	0.34	0.77	0.053
2100HT-6R8-RC	6.8	13.7	4.9	0.006	0.34	0.77	0.053
2100HT-8R2-RC	8.2	13.2	5.9	0.007	0.34	0.77	0.053
2100HT-100-RC	10	9.9	7.6	0.012	0.33	0.76	0.042
2100HT-120-RC	12	9.6	9.0	0.013	0.33	0.76	0.042
2100HT-150-RC	15	9.1	11.0	0.014	0.33	0.76	0.042
2100HT-180-RC	18	8.6	13.0	0.016	0.33	0.76	0.042
2100HT-220-RC	22	6.7	16.6	0.026	0.32	0.75	0.034
2100HT-270-RC	27	6.4	20.1	0.028	0.32	0.75	0.034
2100HT-330-RC	33	6.1	24.0	0.031	0.35	0.79	0.034
2100HT-390-RC	39	5.9	28.0	0.033	0.35	0.79	0.034
2100HT-470-RC	47	5.6	33.1	0.036	0.35	0.79	0.034
2100HT-560-RC	56	5.3	38.5	0.040	0.35	0.79	0.034
2100HT-680-RC	68	5.1	46.0	0.044	0.35	0.79	0.034
2100HT-820-RC	82	4.8	54.0	0.049	0.35	0.79	0.034
2100HT-101-RC	100	4.6	64.5	0.053	0.35	0.79	0.034
2100HT-121-RC	120	3.5	84.4	0.094	0.34	0.77	0.027
2100HT-151-RC	150	3.3	102.8	0.11	0.34	0.77	0.027
2100HT-181-RC	180	3.1	120.7	0.12	0.34	0.77	0.027
2100HT-221-RC	220	3.0	144.2	0.13	0.35	0.79	0.027
2100HT-271-RC	270	2.8	172.6	0.14	0.35	0.79	0.027
2100HT-331-RC	330	2.7	206.0	0.16	0.35	0.79	0.027
2100HT-391-RC	390	2.1	266.7	0.27	0.33	0.76	0.022
2100HT-471-RC	470	2.0	314.4	0.29	0.35	0.79	0.022
2100HT-561-RC	560	1.9	366.9	0.32	0.35	0.79	0.022
2100HT-681-RC	680	1.8	435.1	0.35	0.35	0.79	0.022
2100HT-821-RC	820	1.7	512.0	0.39	0.37	0.81	0.022
2100HT-102-RC	1000	1.6	608.2	0.43	0.37	0.81	0.022

“-RC” suffix indicates RoHS compliance.



**WARNING Cancer and Reproductive Harm**  
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