

HIGH CURRENT POWER INDUCTORS / THT TYPE

FEATURES

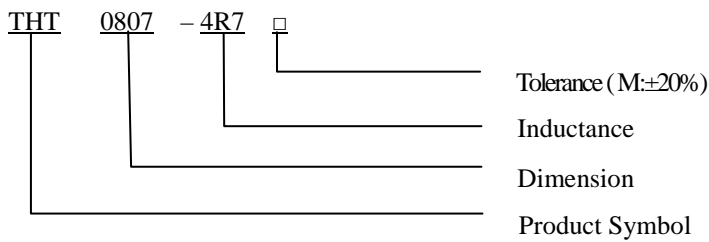
- ◆ High current
- ◆ High energy storage and low DCR.



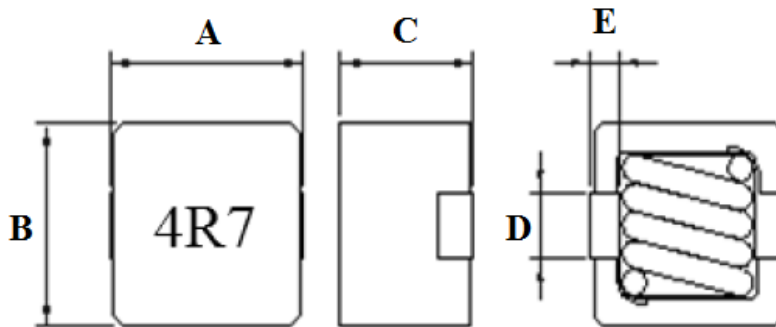
APPLICATIONS

- ◆ PDA / Notebook / Desktop, and server applications.
- ◆ DC/DC converters in distributed power systems.
- ◆ DC/DC converter for Field Programmable Gate Array(FPGA).

ORDERING CODE



SHAPES



DIMENSIONS (UNIT: mm)

Part No.	A(Max)	B(Max)	C(Max)	D(Ref)	D(Ref)
THT 0807	8.4	8.8	7.5	2.3	1.5
THT 1009	10.4	11.3	9.8	3.0	1.6
THT 1210	11.8	12.5	10.0	3.5	2.0

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ELECTRICAL CHARACTERISTICS FOR THT 0807

Part No.	Inductance (uH)	Test Frequency	RDC (mΩ) MAX	IDC (A) MAX
THT0807-R30M	0.30	100KHz/0.1V	1.54	36.0
THT0807-R47M	0.47	100KHz/0.1V	1.89	32.0
THT0807-R56M	0.56	100KHz/0.1V	2.00	28.0
THT0807-R68M	0.68	100KHz/0.1V	2.10	23.5
THT0807-R82M	0.82	100KHz/0.1V	3.25	23.0
THT0807-1R0M	1.00	100KHz/0.1V	3.80	22.0
THT0807-1R5M	1.50	100KHz/0.1V	4.84	18.5
THT0807-2R2M	2.20	100KHz/0.1V	5.60	12.5
THT0807-3R3M	3.30	100KHz/0.1V	7.15	8.5
THT0807-4R7M	4.70	100KHz/0.1V	13.64	8.0
THT0807-6R8M	6.80	100KHz/0.1V	24.42	7.5
THT0807-100M	10.0	100KHz/0.1V	44.55	6.0

ELECTRICAL CHARACTERISTICS FOR THT 1009

Part No.	Inductance (uH)	Test Frequency	RDC (mΩ) MAX	IDC (A) MAX
THT1009-R22M	0.22	100KHz/0.1V	0.66	58.0
THT1009-R33M	0.33	100KHz/0.1V	0.70	50.0
THT1009-R47M	0.47	100KHz/0.1V	0.88	47.0
THT1009-R68M	0.68	100KHz/0.1V	1.49	34.0
THT1009-R82M	0.82	100KHz/0.1V	1.52	32.0
THT1009-1R0M	1.00	100KHz/0.1V	2.10	27.5
THT1009-1R5M	1.50	100KHz/0.1V	2.75	27.0
THT1009-2R2M	2.20	100KHz/0.1V	4.07	22.0
THT1009-3R3M	3.30	100KHz/0.1V	6.94	15.5
THT1009-4R7M	4.70	100KHz/0.1V	9.02	15.0
THT1009-6R8M	6.80	100KHz/0.1V	14.52	11.0
THT1009-8R2M	8.20	100KHz/0.1V	18.52	9.0
THT1009-100M	10.0	100KHz/0.1V	24.50	7.0

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ELECTRICAL CHARACTERISTICS FOR THT 1210

Part No.	Inductance (uH)	Test Frequency	RDC (mΩ) MAX	IDC (A) MAX
THT1210-R22M	0.22	100KHz/0.1V	0.58	60.0
THT1210-R33M	0.33	100KHz/0.1V	0.62	55.0
THT1210-R47M	0.47	100KHz/0.1V	0.79	48.0
THT1210-R68M	0.68	100KHz/0.1V	0.85	38.0
THT1210-R82M	0.82	100KHz/0.1V	1.36	36.0
THT1210-1R0M	1.00	100KHz/0.1V	1.48	32.0
THT1210-1R5M	1.50	100KHz/0.1V	2.31	27.0
THT1210-2R2M	2.20	100KHz/0.1V	3.36	23.0
THT1210-3R3M	3.30	100KHz/0.1V	5.84	20.0
THT1210-4R7M	4.70	100KHz/0.1V	7.99	17.0
THT1210-6R8M	6.80	100KHz/0.1V	11.20	13.0
THT1210-8R2M	8.20	100KHz/0.1V	13.50	12.0
THT1210-100M	10.0	100KHz/0.1V	15.84	10.0

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