

THC Series
SMD High Current Inductor
Size 2015



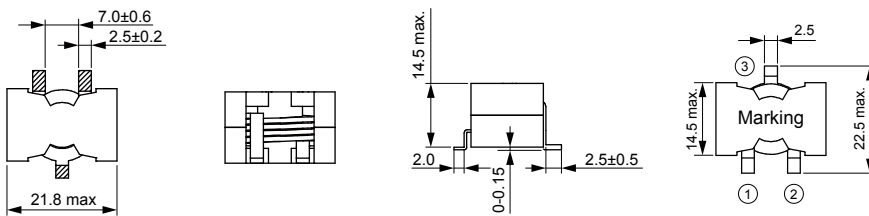
CHARACTERISTICS

- High saturation current up to 100A
- Low losses with flat wire design
- Low core losses with Mnzn core material
- Quantity: 100pcs

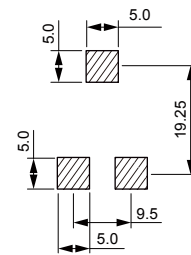
APPLICATION

- High current DC/DC converter
- LC filter

Dimensions: [mm]



Land Pattern: [mm]



Electrical Properties:

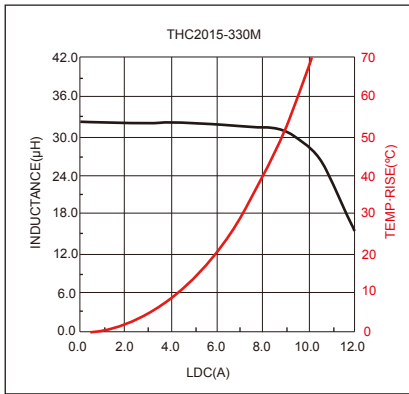
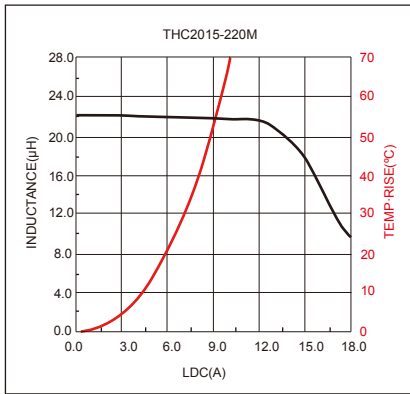
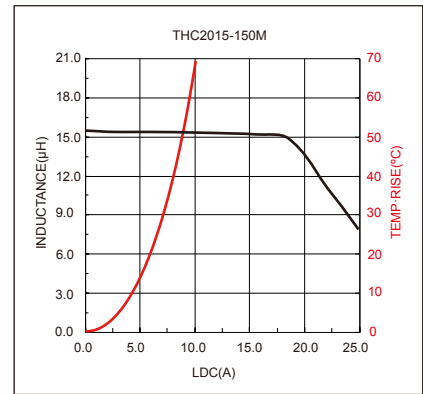
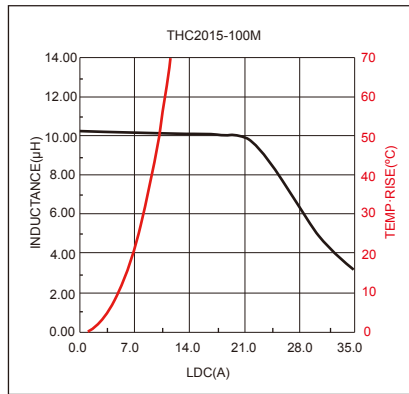
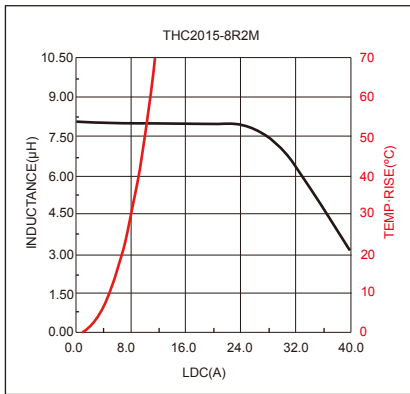
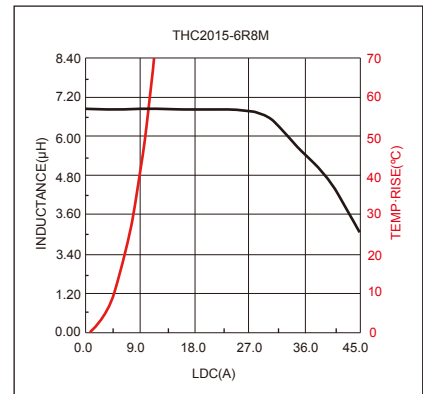
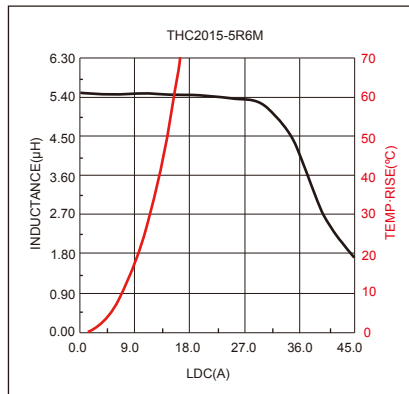
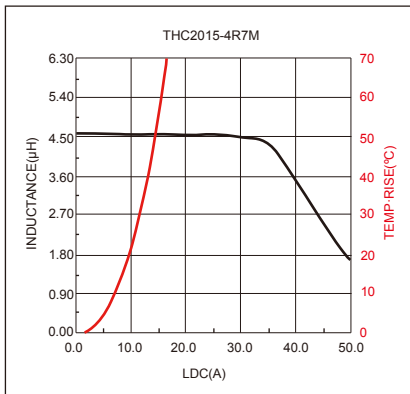
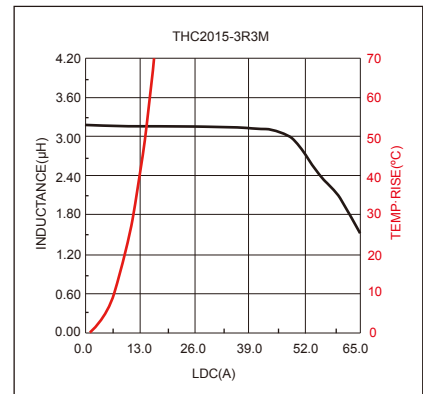
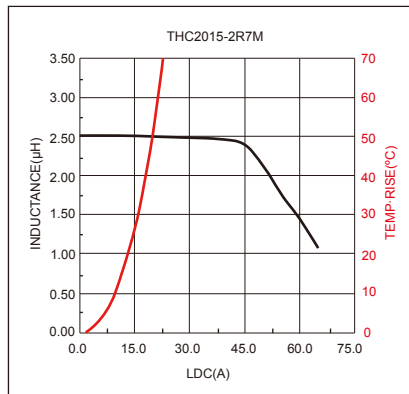
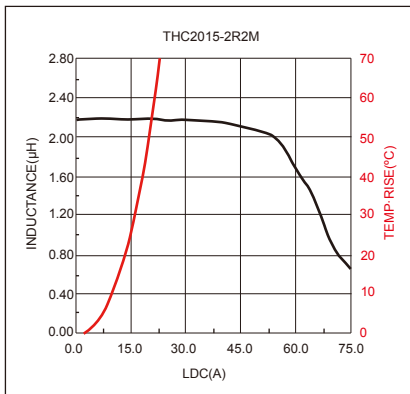
Part No	Inductance (μH)	Tolerance	Temperature Rise Current Typ. (A)	Saturation Current Typ. (A)	DC Resistance Typ. (mΩ)	DC Resistance Max. (mΩ)
THC2015-2R2M	2.20	±20%	28.0	55.0	1.70	2.20
THC2015-2R7M	2.70	±20%	28.0	48.0	1.70	2.20
THC2015-3R3M	3.30	±20%	24.0	48.0	3.28	3.80
THC2015-4R7M	4.70	±20%	24.0	35.0	3.28	3.80
THC2015-5R6M	5.60	±20%	24.0	30.0	3.28	3.80
THC2015-6R8M	6.80	±20%	18.0	34.0	6.60	7.30
THC2015-8R2M	8.20	±20%	18.0	29.0	6.60	7.30
THC2015-100M	10.0	±20%	18.0	23.0	6.60	7.30
THC2015-150M	15.0	±20%	16.0	18.0	8.60	9.50
THC2015-220M	22.0	±20%	16.0	13.0	8.60	9.50
THC2015-330M	33.0	±20%	16.0	9.00	8.60	9.50

Operating Temperature: -40 °C to +125 °C

Temperature Rise Current: the actual value of DC current when the temperature rise is ΔT40 °C

Saturation Current that will cause initial inductance to drop approximately 20%

Typical Electrical Characteristics:



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Fixed Inductors](#) category:

Click to view products by [KOHER](#) manufacturer:

Other Similar products are found below :

[CR32NP-151KC](#) [CR32NP-180KC](#) [CR32NP-181KC](#) [CR32NP-1R5MC](#) [CR32NP-390KC](#) [CR32NP-3R9MC](#) [CR32NP-680KC](#) [CR32NP-820KC](#) [CR32NP-8R2MC](#) [CR43NP-390KC](#) [CR43NP-560KC](#) [CR43NP-680KC](#) [CR54NP-181KC](#) [CR54NP-470LC](#) [CR54NP-820KC](#) [CR54NP-8R5MC](#) [70F224AI](#) [MGDQ4-00004-P](#) [MHL1ECTTP18NJ](#) [MHQ1005P10NJ](#) [MHQ1005P1N0S](#) [MHQ1005P2N4S](#) [MHQ1005P3N6S](#) [MHQ1005P5N1S](#) [MHQ1005P8N2J](#) [PE-51506NL](#) [PE-53601NL](#) [PE-53602NL](#) [PE-53630NL](#) [PE-53824SNLT](#) [PE-92100NL](#) [PG0434.801NLT](#) [PG0936.113NLT](#) [9220-20](#) [9310-16](#) [PM06-2N7](#) [PM06-39NJ](#) [A01TK](#) [1206CS-471XJ](#) [HC2LP-R47-R](#) [HC2-R47-R](#) [HC3-2R2-R](#) [HCF1305-3R3-R](#) [1206CS-151XG](#) [RCH664NP-140L](#) [RCH664NP-4R7M](#) [RCH8011NP-221L](#) [RCP1317NP-332L](#) [RCP1317NP-391L](#) [RCR1010NP-470M](#)