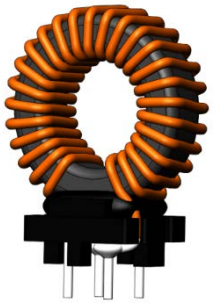
L201314A Series

1. Features of L201314A Series :



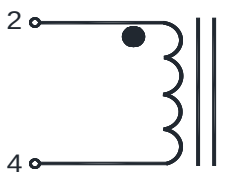
- Sendust core is used to realize lower core loss.
- No thermal aging concerns.
- Low leakage magnetic flux.
- Elimination for impulse (EMI) noise.
- Ideally used as Power Factor Correction choke.
- Also can be used as boost inductor in power supplies.
- Inductance Range: 100.00uH to 1000.00uH , custom values are welcomed.
- Foot Print 25.00×15.50mm max. , 29.50mm max. Height.
- Operating Temperature Range: -55°C to + 130°C; RoHS & HF compliance.

2. Electrical Characteristics of L201314A Series:

ITG Part Number	OCL (PIN2-4) [1] (uH) ±15%	DCR (mΩ) Max. @25℃	Isat [2] (A) @25℃	L@Isat (uH) @25℃	Irms [3] (A) @25℃	L@Irms (uH) @25℃
L201314A-101LHF	100.00	26.00	3.20	67.17	8.00	28.40
L201314A-151LHF	150.00	43.00	2.60	99.60	6.00	46.16
L201314A-201LHF	200.00	75.00	2.20	134.46	4.50	73.29
L201314A-251LHF	250.00	112.00	2.00	167.25	3.60	104.46
L201314A-301LHF	300.00	170.00	1.80	202.02	2.90	142.73
L201314A-681LHF	680.00	425.00	1.20	459.25	1.70	363.25
L201314A-821LHF	820.00	610.00	1.10	542.20	1.50	439.20
L201314A-102LHF	1000.00	950.00	1.00	690.00	1.10	657.00

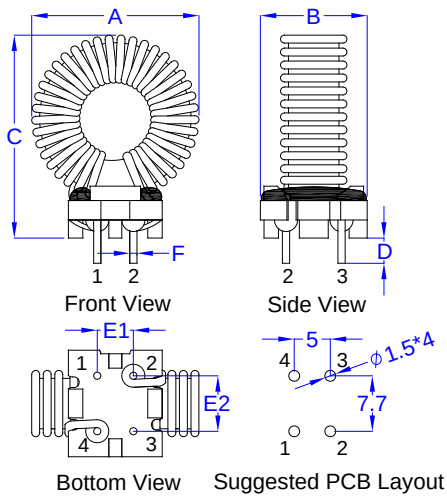
3. Mechanical Dimension of L201314A Series (Unit:mm):

A Max.	B Max.	C Max.	D ±0.50	E1 ±0.50	E2 ±0.50	F ±0.10
25.00	15.50	29.50	3.50	5.00	7.70	Φ1.00



"¡ ºSTART OF WINDING

SCHEMATIC DIAGRAM



Note: PIN1&3 provided for mounting stability only.

Notes:

1. Open Circuit Inductance (OCL) and L@Irms and L@Isat are measured at 100KHz,0.25V@ 25ºC.
2. Isat: DC current that causes inductance to drop by approximately 35% from OCL (Ta=25℃).
3. Irms: DC current that causes an approximate temperature rise (△T) of 40℃ (Ta=25ºC).

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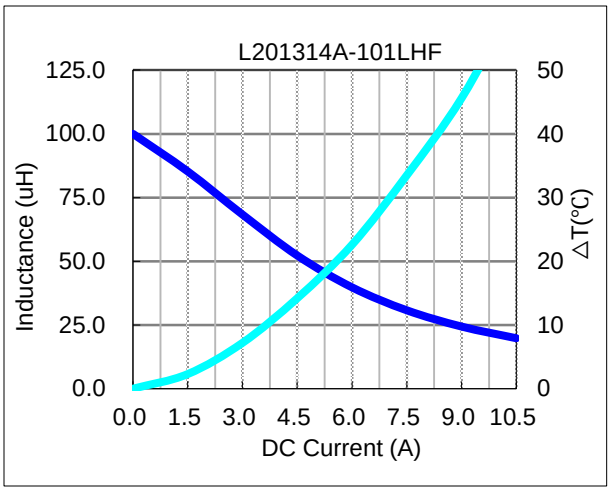
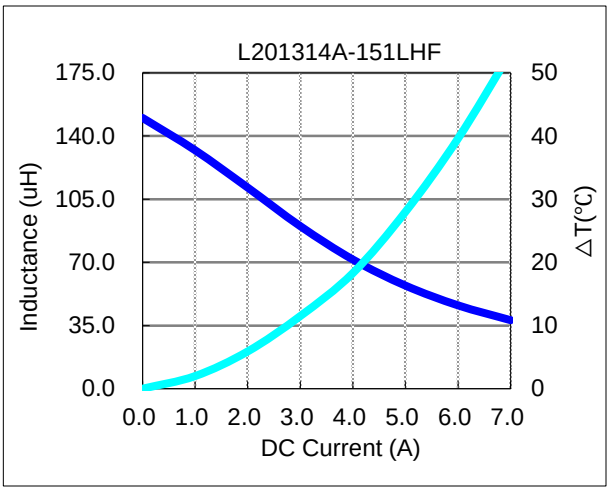
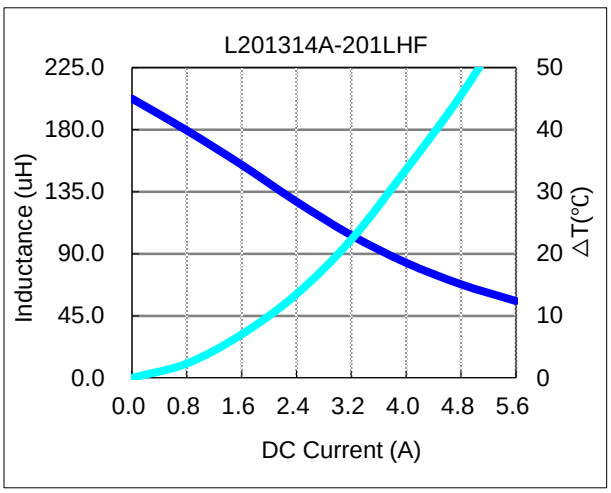
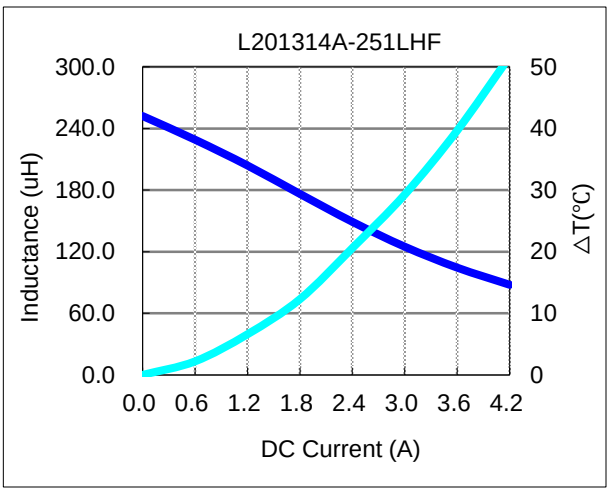
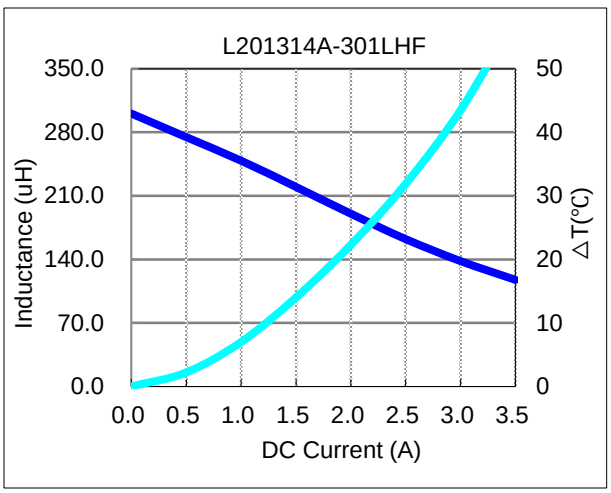
4. Inductance vs. Current vs. Temperature Rise Characteristics of L201314A Series :

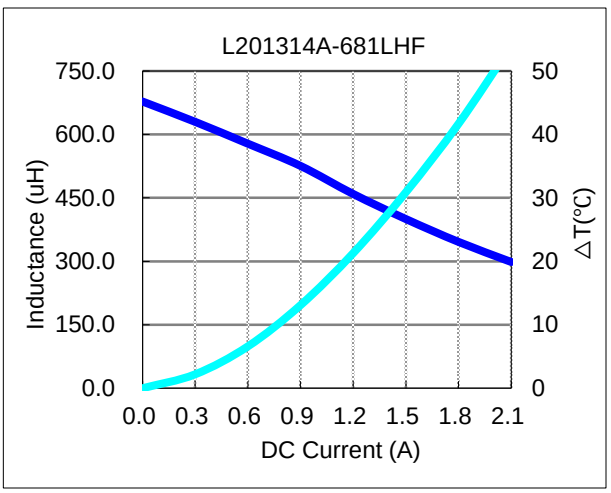












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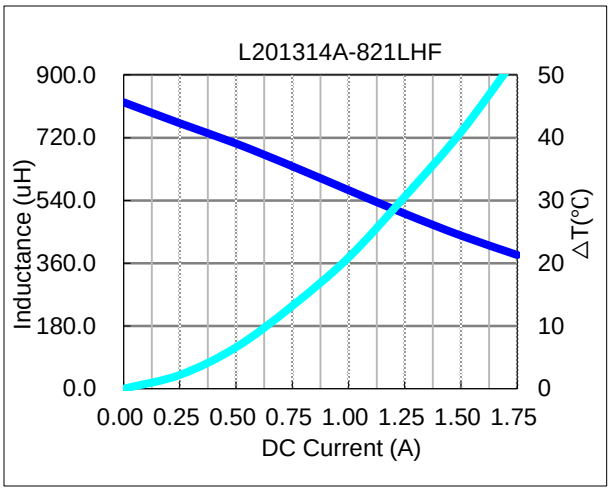

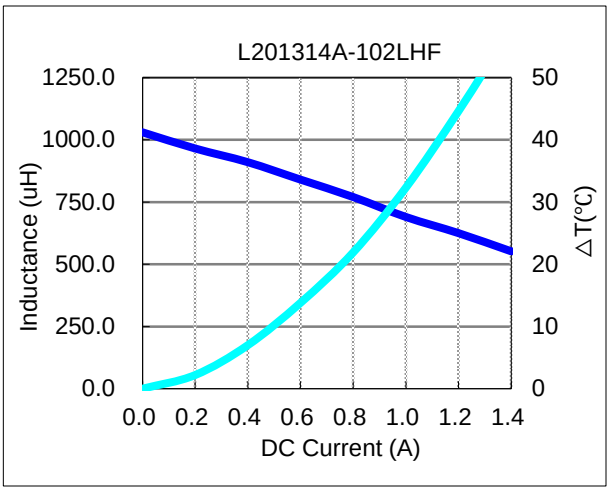

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