



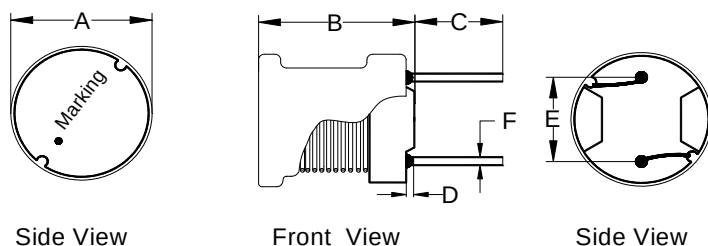
SCH3539T Series



1. Features of SCH3539T Series:

- Radial leaded unshielded Drum Inductor.
- Low DC Resistance for high current application.
- With UL rated shrink sleeve wrap to protect the winding.
- Ideal for noise filtering, storage and DC/DC convertor applications.
- Inductance Range of 3.3uH to 1000.0uH, Custom values are welcomed.
- Operating Temperature Range: -55° C to + 130° C , RoHS & HF compliant.

2. Mechanical Dimension of SCH3539T Series:



Type	SCH3539T
A	9.00 (Max.)
B	10.00 (Max.)
C	3.50 ± 0.50
D	3.00 (Max.)
E	5.00 ± 0.50
F	§ 0.70 (Ref.)

3. Electrical Characteristics of SCH3539T Series:

ITG Part Number	OCL ¹ (uH) ± 20% or 10%	DCR (Ω) Typ.	DCR (Ω) Max.	Isat1 ² (A) @25°C	Isat2 ³ (A) @25°C	Isat3 ⁴ (A) @25°C	Irms1 ⁵ (A) @25°C	Irms2 ⁶ (A) @25°C
SCH3539T-1R0MHF	1.00 , 20%	0.0045	0.0054	15.00	20.00	21.00	8.20	10.80
SCH3539T-2R2MHF	2.20 , 20%	0.0067	0.0080	11.70	13.70	14.50	7.50	10.00
SCH3539T-3R3MHF	3.30 , 20%	0.011	0.013	10.20	11.20	12.00	6.20	8.10
SCH3539T-4R7MHF	4.70 , 20%	0.013	0.016	8.50	9.70	10.50	5.50	7.40
SCH3539T-5R6MHF	5.60 , 20%	0.015	0.018	8.00	9.20	10.00	5.00	6.90
SCH3539T-6R8MHF	6.80 , 20%	0.016	0.019	6.20	8.20	9.20	4.80	6.70
SCH3539T-8R2MHF	8.20 , 20%	0.019	0.023	6.00	7.30	8.00	4.50	6.10
SCH3539T-100MHF	10.00 , 20%	0.022	0.026	5.60	6.70	7.50	4.20	5.70
SCH3539T-120MHF	12.00 , 20%	0.027	0.032	4.40	6.00	6.80	3.70	5.20
SCH3539T-150MHF	15.00 , 20%	0.035	0.042	4.20	5.60	6.10	3.30	4.60
SCH3539T-180MHF	18.00 , 20%	0.039	0.047	4.10	5.00	5.50	3.10	4.30
SCH3539T-220MHF	22.00 , 20%	0.042	0.050	4.00	4.60	5.00	3.00	4.10
SCH3539T-270MHF	27.00 , 20%	0.050	0.060	3.40	4.00	4.50	2.80	3.70
SCH3539T-330MHF	33.00 , 20%	0.057	0.068	3.00	3.80	4.20	2.70	3.50
SCH3539T-390MHF	39.00 , 20%	0.072	0.086	2.80	3.20	3.50	2.30	3.00
SCH3539T-470MHF	47.00 , 20%	0.095	0.114	2.70	3.00	3.40	2.00	2.70
SCH3539T-560MHF	56.00 , 20%	0.108	0.130	2.60	2.90	3.25	1.90	2.60
SCH3539T-680MHF	68.00 , 20%	0.138	0.165	2.20	2.60	2.90	1.70	2.30
SCH3539T-820MHF	82.00 , 20%	0.159	0.190	2.10	2.40	2.70	1.60	2.10
SCH3539T-101KHF	100.00 , 10%	0.183	0.210	1.80	2.10	2.30	1.50	2.00
SCH3539T-121KHF	120.00 , 10%	0.207	0.238	1.60	1.90	2.10	1.40	1.80
SCH3539T-151KHF	150.00 , 10%	0.255	0.293	1.50	1.70	1.90	1.20	1.70
SCH3539T-181KHF	180.00 , 10%	0.345	0.397	1.40	1.60	1.80	1.00	1.40
SCH3539T-221KHF	220.00 , 10%	0.423	0.486	1.20	1.40	1.50	0.95	1.30
SCH3539T-331KHF	330.00 , 10%	0.532	0.612	0.94	1.20	1.35	0.85	1.15
SCH3539T-471KHF	470.00 , 10%	0.813	0.935	0.84	1.00	1.15	0.70	0.90
SCH3539T-561KHF	560.00 , 10%	1.050	1.207	0.78	0.88	1.00	0.60	0.80
SCH3539T-681KHF	680.00 , 10%	1.220	1.400	0.73	0.84	0.90	0.58	0.75
SCH3539T-821KHF	820.00 , 10%	1.365	1.570	0.64	0.75	0.82	0.55	0.70
SCH3539T-102KHF	1000.00 , 10%	1.780	2.050	0.56	0.66	0.72	0.45	0.60

● New York 1 914 347 2474 ● Taipei 886 2 2698 8669 ● Kaohsiung 886 7 350 2275
 ● Tokyo 81 568 85 2830 ● Shenzhen 86 755 8418 6263 ● Shanghai 86 21 5424 5141 ● Hong Kong 852 9688 9767
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**Due to continuous product improvement, all specifications are subject to change without prior notice. Kindly contact an ITG field application engineer or a sales representative prior to purchase.*



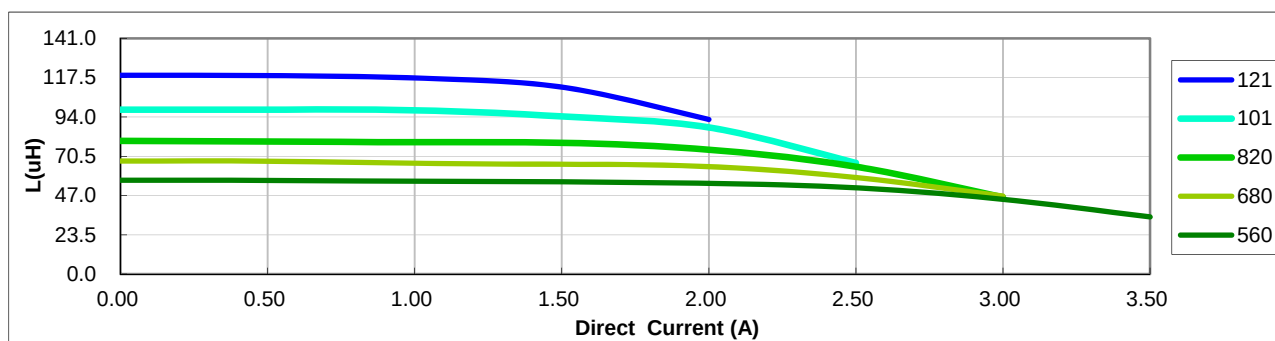
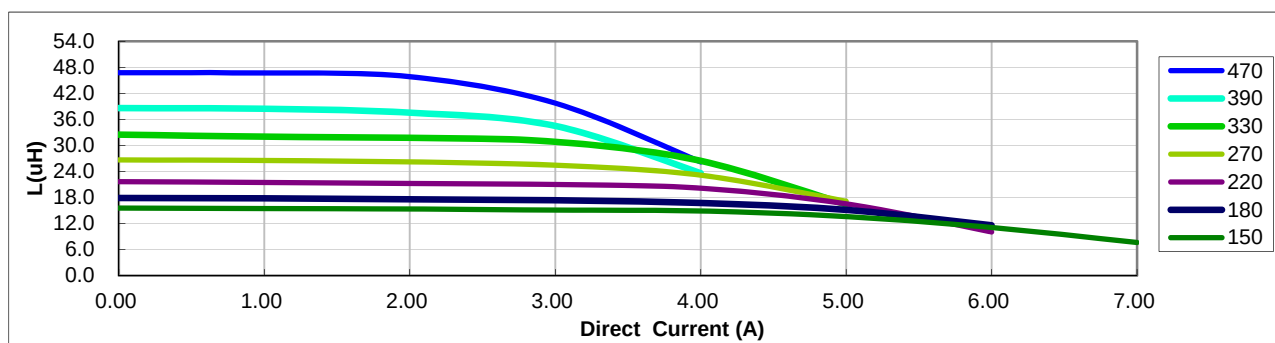
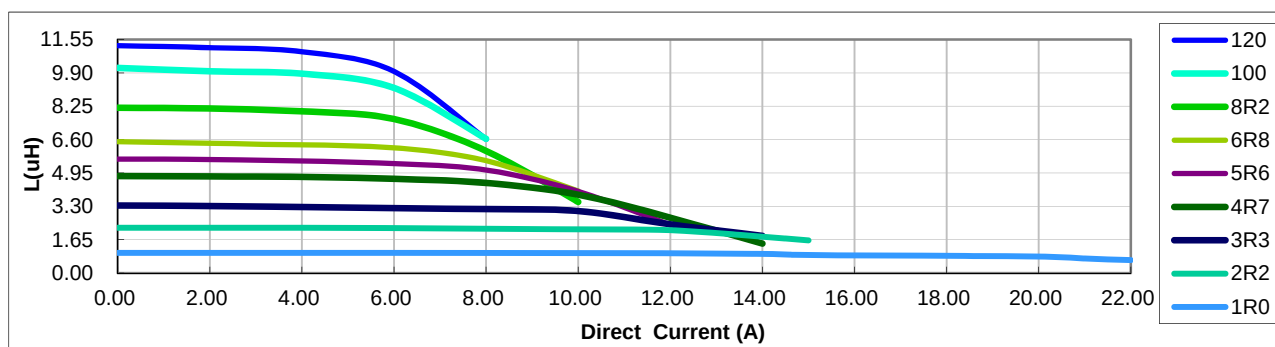
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Notes:

1. OCL (Open Circuit Inductance) and L@Irms and L@Isat and DCR are measured at:1KHz,0.25V at 25°C.
2. Isat1: DC current that causes inductance to drop by approximately 10% from OCL.
3. Isat2: DC current that causes inductance to drop by approximately 20% from OCL.
4. Isat3: DC current that causes inductance to drop by approximately 30% from OCL.
5. Irms1: DC current that causes an approximate temperature rise (ΔT) of 20°C.
6. Irms2: DC current that causes an approximate temperature rise (ΔT) of 40°C.

4. Inductance Characteristics of SCH3539T Series (Inductance vs Current):



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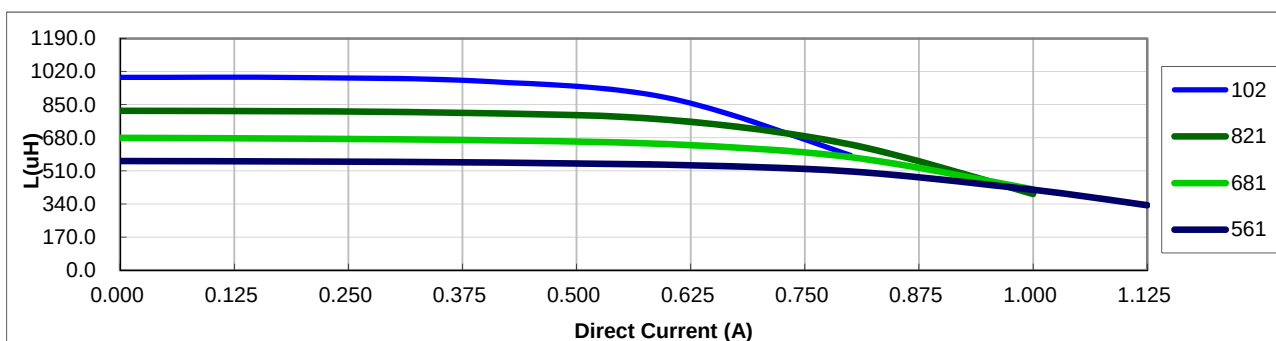
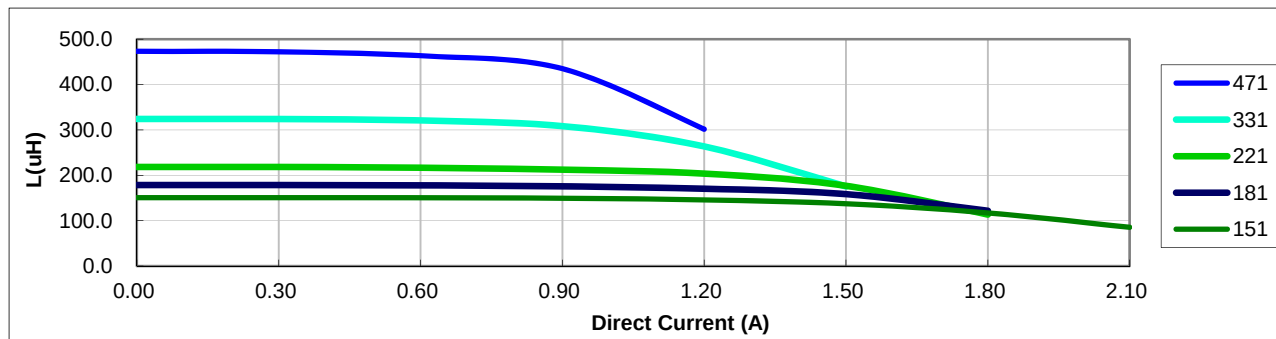
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