



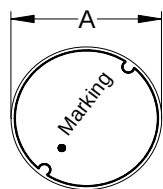
SCH3753T Series



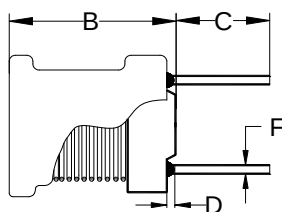
1. Features of SCH3753T Series:

- 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.

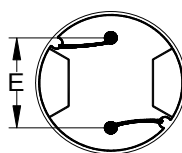
3. Mechanical Dimension of SCH3753T Series:



Side View



Front View



Side View

Type	SCH3753T
A	9.50 (Max.)
B	13.50 (Max.)
C	3.50 ± 0.50
D	2.50 (Max.)
E	5.00 ± 0.50
F	∅ 0.65 (Ref.)

2. Electrical Characteristics of SCH3753T 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
SCH3753T-3R3MHF	3.30 , 20%	0.007	0.009	8.00	10.80	11.70	7.00	8.80
SCH3753T-4R7MHF	4.70 , 20%	0.008	0.010	7.50	9.40	10.80	6.50	8.20
SCH3753T-5R6MHF	5.60 , 20%	0.010	0.012	7.00	8.60	9.70	6.00	7.30
SCH3753T-6R8MHF	6.80 , 20%	0.012	0.015	6.40	7.90	8.80	5.50	7.00
SCH3753T-8R2MHF	8.20 , 20%	0.015	0.018	6.00	7.20	7.90	4.80	6.50
SCH3753T-100MHF	10.00 , 20%	0.017	0.020	5.40	6.40	7.00	4.50	6.00
SCH3753T-120MHF	12.00 , 20%	0.020	0.024	5.00	5.70	6.30	4.20	5.50
SCH3753T-150MHF	15.00 , 20%	0.024	0.029	4.70	5.30	5.80	3.80	5.20
SCH3753T-180MHF	18.00 , 20%	0.025	0.030	4.40	4.90	5.30	3.50	5.00
SCH3753T-220MHF	22.00 , 20%	0.031	0.037	4.00	4.50	4.90	3.20	4.60
SCH3753T-270MHF	27.00 , 20%	0.036	0.043	3.50	4.00	4.50	3.00	4.20
SCH3753T-330MHF	33.00 , 20%	0.045	0.054	3.00	3.60	4.00	2.80	3.70
SCH3753T-390MHF	39.00 , 20%	0.056	0.067	2.80	3.40	3.70	2.50	3.40
SCH3753T-470MHF	47.00 , 20%	0.064	0.077	2.60	3.00	3.30	2.20	3.00
SCH3753T-560MHF	56.00 , 20%	0.071	0.085	2.40	2.80	3.00	2.10	2.80
SCH3753T-680MHF	68.00 , 20%	0.092	0.110	2.20	2.60	2.80	2.00	2.60
SCH3753T-820MHF	82.00 , 20%	0.106	0.127	2.00	2.30	2.60	1.80	2.40
SCH3753T-101KHF	100.00 , 10%	0.141	0.169	1.90	2.10	2.40	1.60	2.20
SCH3753T-121KHF	120.00 , 10%	0.157	0.188	1.60	1.90	2.10	1.50	2.00
SCH3753T-151KHF	150.00 , 10%	0.193	0.230	1.40	1.70	1.90	1.30	1.80
SCH3753T-181KHF	180.00 , 10%	0.242	0.290	1.30	1.50	1.70	1.10	1.60
SCH3753T-221KHF	220.00 , 10%	0.278	0.334	1.10	1.40	1.50	1.00	1.40
SCH3753T-331KHF	330.00 , 10%	0.403	0.484	0.95	1.13	1.25	0.90	1.22
SCH3753T-471KHF	470.00 , 10%	0.562	0.674	0.82	0.98	1.10	0.80	1.05
SCH3753T-561KHF	560.00 , 10%	0.698	0.838	0.75	0.92	0.98	0.72	0.96
SCH3753T-681KHF	680.00 , 10%	0.867	1.000	0.68	0.82	0.90	0.65	0.86
SCH3753T-821KHF	820.00 , 10%	0.992	1.200	0.63	0.75	0.83	0.60	0.82
SCH3753T-102KHF	1000.00 , 10%	1.224	1.469	0.56	0.66	0.70	0.55	0.74

● 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

● sales@ITG-Electronics.com ● www.ITG-Electronics.com Revision A: January 15 , 2016

**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.*



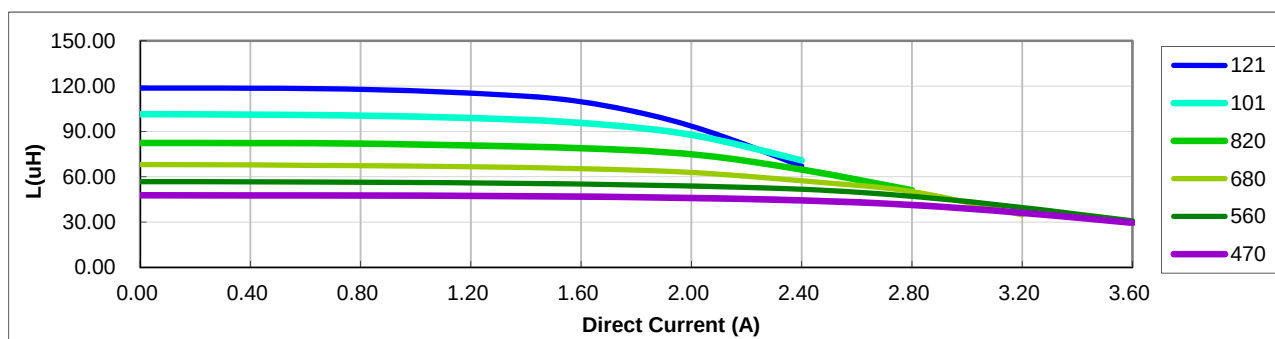
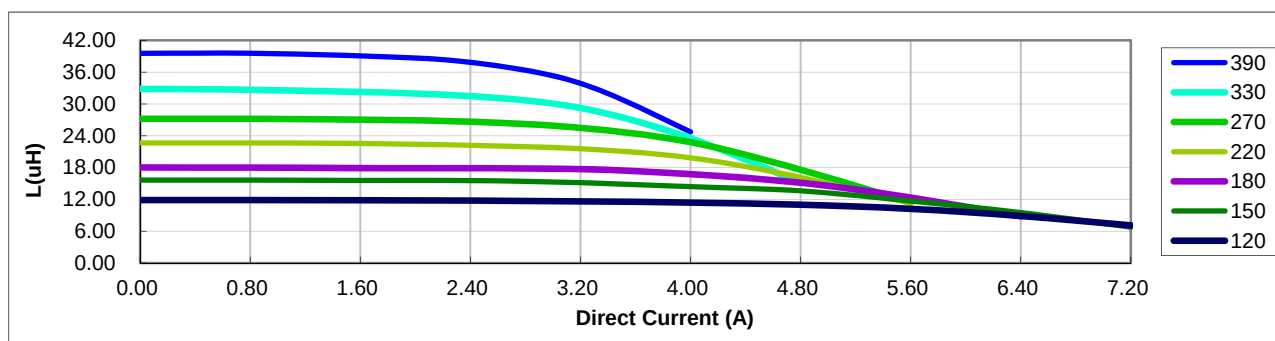
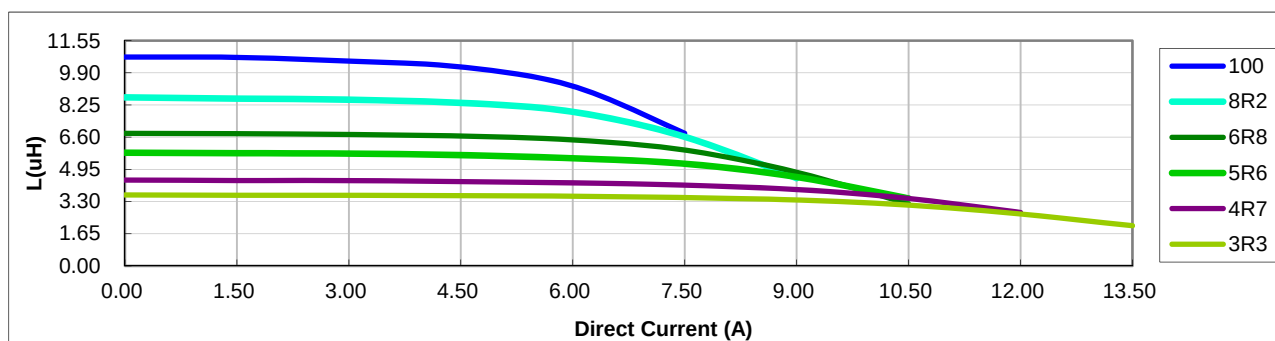
SCH3753T Series



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 SCH3753T Series (Inductance vs Current):



● 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
 ● sales@ITG-Electronics.com ● www.ITG-Electronics.com Revision A: January 15, 2016

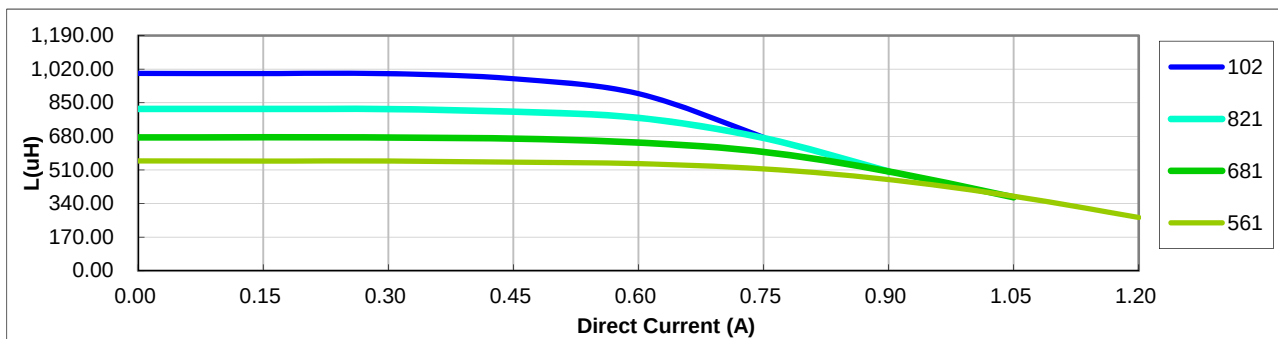
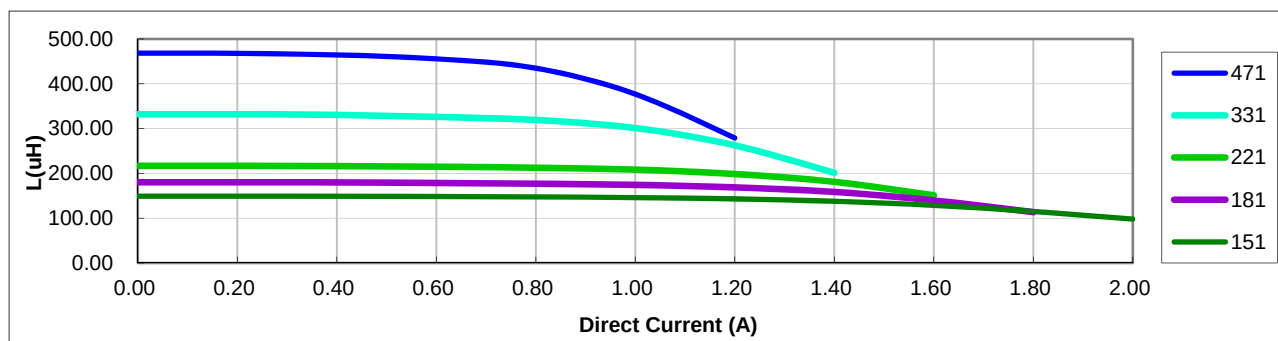
*Due to continuous product improvement, all specifications are subject to change without prior notice. Kindly contact an ITG field application engineer or a sales representative prior to purchase.



SCH3753T Series



4. Inductance Characteristics of SCH3753T Series (Inductance vs Current):



● 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
 ● sales@ITG-Electronics.com ● www.ITG-Electronics.com Revision A: January 15 , 2016

**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.*