



SCH3532T Series

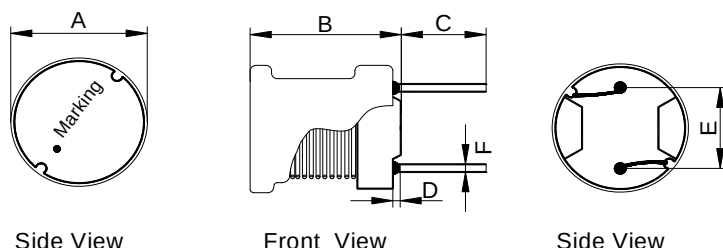


1. Features of SCH3532T Series:

- 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 :



Type	SCH3532T
A	9.00 (Max.)
B	8.00 (Max.)
C	3.50 ± 0.50
D	3.00 (Max.)
E	5.00 ± 0.50
F	∅ 0.70 (Ref.)

2. Electrical Characteristics of SCH3532T 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
SCH3532T-3R3MHF	3.30 , 20%	0.015	0.018	10.50	11.50	12.30	4.00	5.50
SCH3532T-4R7MHF	4.70 , 20%	0.019	0.023	9.00	10.20	11.00	3.60	4.80
SCH3532T-5R6MHF	5.60 , 20%	0.024	0.029	8.00	9.00	9.70	3.20	4.30
SCH3532T-6R8MHF	6.80 , 20%	0.028	0.035	7.20	8.50	9.10	2.90	3.90
SCH3532T-8R2MHF	8.20 , 20%	0.031	0.037	6.80	8.00	8.50	2.80	3.80
SCH3532T-100MHF	10.00 , 20%	0.041	0.050	6.00	7.20	7.60	2.40	3.30
SCH3532T-120MHF	12.00 , 20%	0.050	0.060	5.50	6.10	6.50	2.20	3.00
SCH3532T-150MHF	15.00 , 20%	0.053	0.065	4.70	5.50	6.00	2.10	2.90
SCH3532T-180MHF	18.00 , 20%	0.064	0.077	4.50	5.00	5.60	1.90	2.60
SCH3532T-220MHF	22.00 , 20%	0.078	0.095	4.20	4.70	5.00	1.80	2.40
SCH3532T-270MHF	27.00 , 20%	0.098	0.118	3.60	4.10	4.50	1.50	2.10
SCH3532T-330MHF	33.00 , 20%	0.111	0.133	3.10	3.70	4.20	1.40	2.00
SCH3532T-390MHF	39.00 , 20%	0.138	0.166	2.90	3.40	3.80	1.30	1.80
SCH3532T-470MHF	47.00 , 20%	0.156	0.187	2.80	3.20	3.50	1.20	1.70
SCH3532T-560MHF	56.00 , 20%	0.188	0.225	2.60	3.00	3.20	1.10	1.50
SCH3532T-680MHF	68.00 , 20%	0.215	0.258	2.30	2.70	2.90	1.00	1.40
SCH3532T-820MHF	82.00 , 20%	0.267	0.320	2.10	2.40	2.60	0.96	1.30
SCH3532T-101KHF	100.00 , 10%	0.328	0.394	2.00	2.20	2.30	0.87	1.18
SCH3532T-121KHF	120.00 , 10%	0.376	0.451	1.80	2.00	2.10	0.81	1.15
SCH3532T-151KHF	150.00 , 10%	0.480	0.576	1.60	1.80	2.00	0.70	0.97
SCH3532T-181KHF	180.00 , 10%	0.556	0.667	1.50	1.60	1.70	0.66	0.90
SCH3532T-221KHF	220.00 , 10%	0.688	0.826	1.30	1.50	1.60	0.61	0.81
SCH3532T-331KHF	330.00 , 10%	0.962	1.154	1.20	1.30	1.40	0.50	0.69
SCH3532T-471KHF	470.00 , 10%	1.382	1.658	0.92	1.10	1.20	0.42	0.58
SCH3532T-561KHF	560.00 , 10%	1.818	2.182	0.88	0.94	1.00	0.37	0.50
SCH3532T-681KHF	680.00 , 10%	2.321	2.785	0.80	0.90	0.95	0.32	0.44
SCH3532T-821KHF	820.00 , 10%	2.554	3.065	0.72	0.80	0.85	0.31	0.42
SCH3532T-102KHF	1000.00 , 10%	3.170	3.800	0.58	0.67	0.72	0.28	0.38

● New York 1 914 347 2474 ● Taipei 886 2 2698 8669 ● Kaohsiung 886 7 350 2275
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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.*



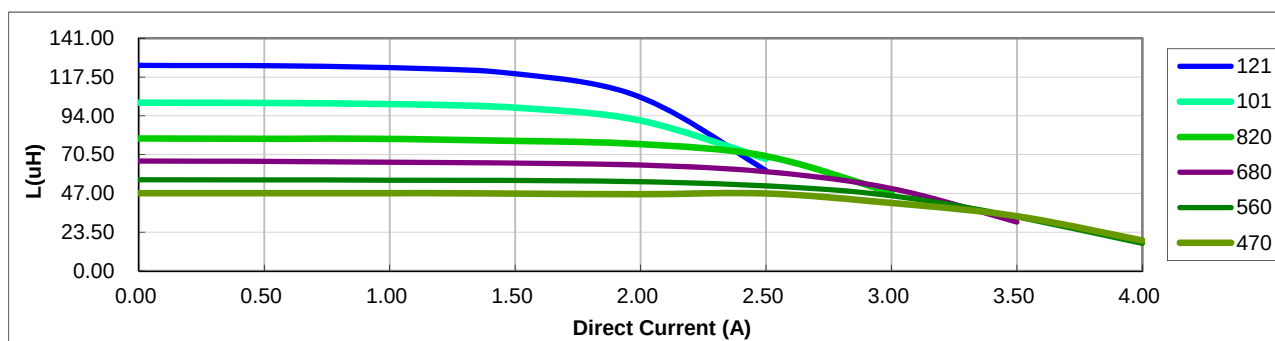
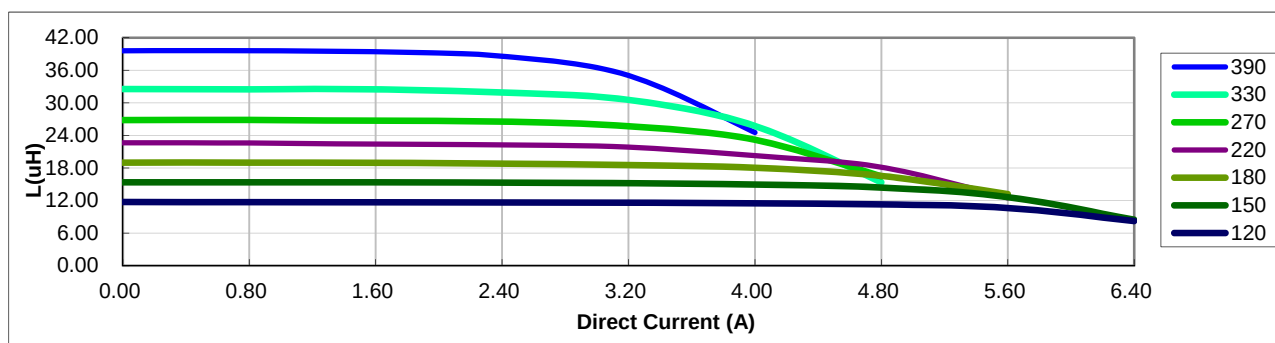
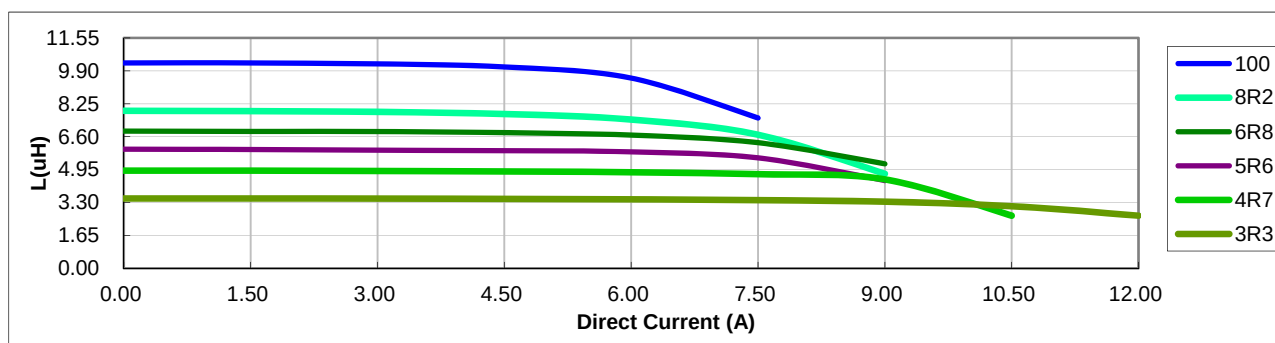
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Notes:

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 SCH3532T Series (Inductance vs Current):



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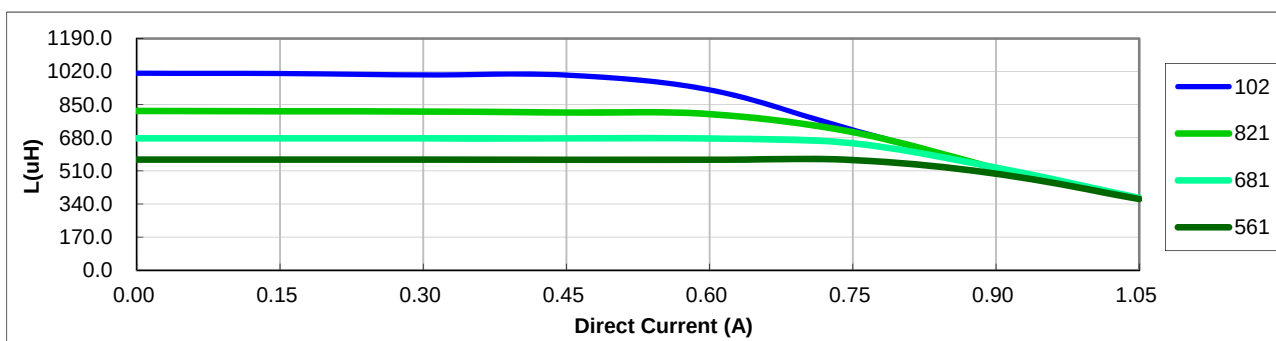
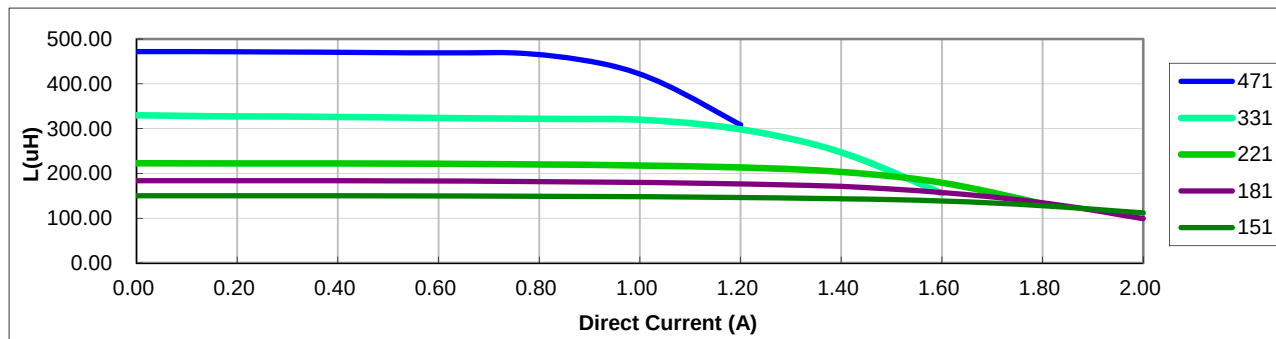
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