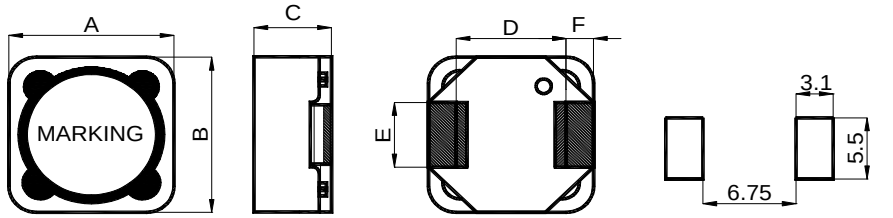
SDRH125B Series

1. Features:

· Ferrite based SMD Inductor with lower core loss.
· Inductance Range:0.82uH to 1000uH. Custom values are welcomed.
· High current output chokes, up to 24.2 Amp with 30% roll off.
· Foot print 12.5 x 12.5mm Max.
· Ideal for LCD driver,DSC/DVC,Notebook PC or High density board design.
· Operating Temperature Range -55°C to + 130°C;RoHs&HF compliance.
· T & R Qtys: 500 pcs , 13'' Reel ;

2. Mechanical Dimension(Unit:mm):



TOP VIEW SIDE VIEW BOTTOM VIEW Suggest PCB Layout

Type	SDRH125B
A	12.2±0.3
B	12.2±0.3
C	6.0(Max.)
D	7.0(Ref.)
E	5.0(Ref.)
F	2.4(Ref.)

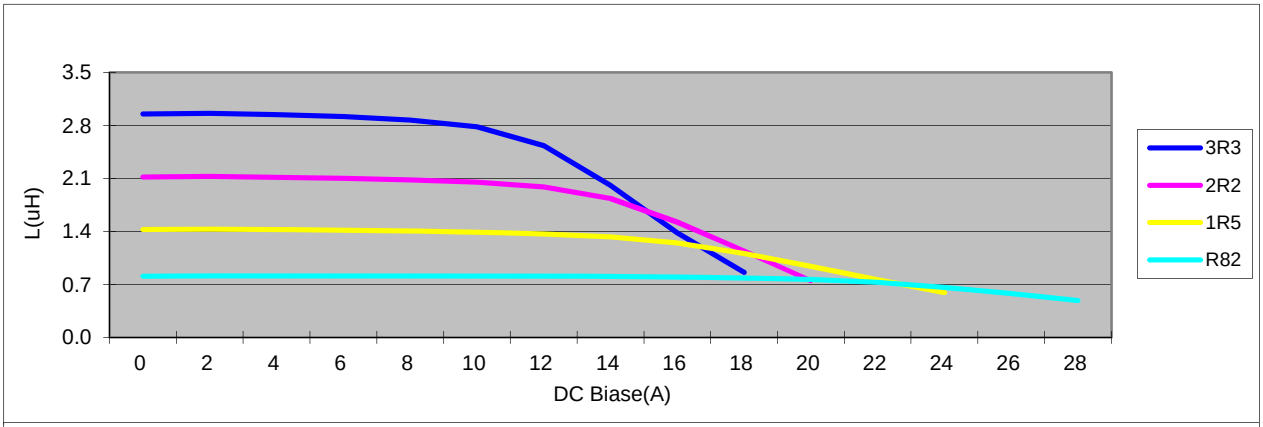
3. Electrical Characteristic of SDRH125B Series:

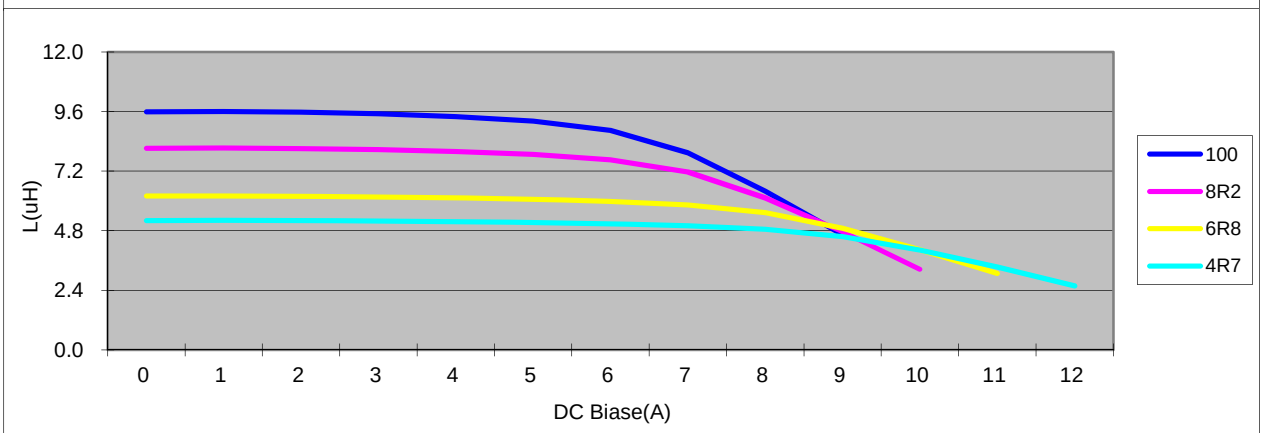
Part Number	OCL (uH) ±20%	DCR (Ω) Typ.	DCR (Ω) Max.	Isat (A) @25℃	L@Isat (uH) Typ.	Irms (A) @25℃	L@Irms (uH) Typ.
SDRH125B-R82MHF	0.82	0.0039	0.0047	24.2	0.66	15.5	0.80
SDRH125B-1R5MHF	1.5	0.0052	0.0062	18.5	1.06	13.3	1.33
SDRH125B-2R2MHF	2.2	0.0064	0.0077	14.8	1.68	12.0	1.99
SDRH125B-3R3MHF	3.3	0.0079	0.0095	12.6	2.31	10.8	2.68
SDRH125B-4R7MHF	4.7	0.0107	0.0128	10.1	4.02	9.30	4.56
SDRH125B-6R8MHF	6.8	0.0119	0.0143	8.40	5.23	8.80	4.89
SDRH125B-8R2MHF	8.2	0.0156	0.0187	7.60	6.22	7.70	6.12
SDRH125B-100MHF	10.0	0.0164	0.0197	6.90	7.94	7.50	7.02
SDRH125B-150MHF	15.0	0.0268	0.0322	5.65	12.04	5.80	11.02
SDRH125B-220MHF	22.0	0.0318	0.0382	4.70	16.02	5.40	13.50
SDRH125B-330MHF	33.0	0.0445	0.0534	4.00	24.57	4.50	19.99
SDRH125B-470MHF	47.0	0.0659	0.0792	3.20	38.25	3.70	27.02
SDRH125B-680MHF	68.0	0.0991	0.119	2.70	56.65	3.05	47.77
SDRH125B-820MHF	82.0	0.121	0.145	2.40	71.07	2.75	57.64
SDRH125B-101MHF	100.0	0.155	0.186	2.20	87.64	2.40	72.53
SDRH125B-151MHF	150.0	0.217	0.260	1.80	132.70	2.05	98.60
SDRH125B-221MHF	220.0	0.321	0.385	1.50	187.66	1.70	152.50
SDRH125B-331MHF	330.0	0.434	0.499	1.20	278.40	1.45	185.90
SDRH125B-471MHF	470.0	0.627	0.721	1.00	397.55	1.20	289.95
SDRH125B-681MHF	680.0	0.888	1.021	0.85	512.30	1.00	409.65
SDRH125B-821MHF	820.0	1.093	1.257	0.76	651.70	0.92	538.30
SDRH125B-102MHF	1000.0	1.409	1.620	0.69	878.80	0.80	680.30

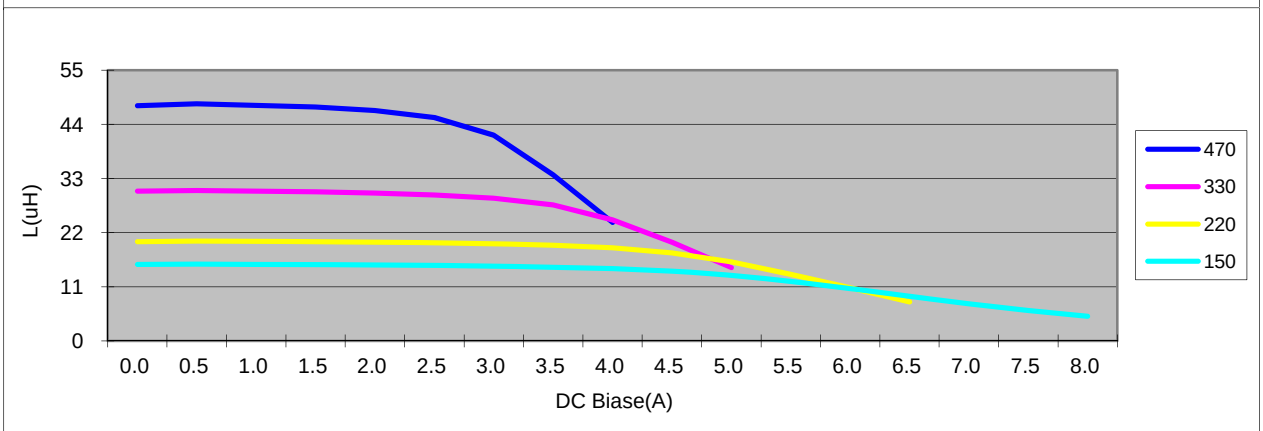
Note:

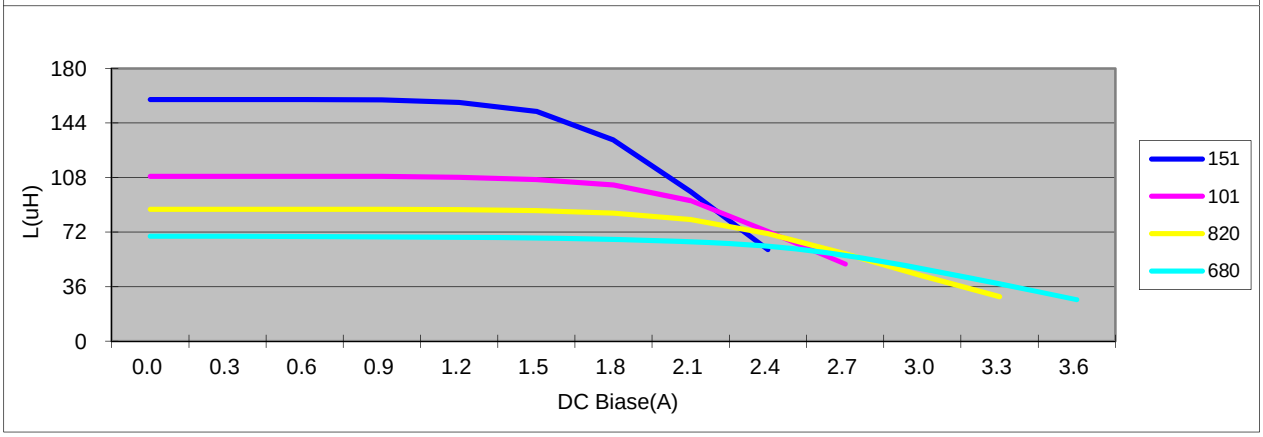
1.OCL (Open Circuit Inductance) and L@ Irms and L @Isat and DCR are measured at: 100KHz,0.25V @ 25ºC.
2.Isat: DC current that causes inductance to drop by approximately 30% from OCL ;(Ta=25ºC)
3.Irms: DC current that causes an approximate temperature rise (△T) of 40℃;(Ta=25ºC)
4.Inductance Vs. DC bias curve,please see the next page to get more detail information.

SDRH125B Series









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Revision B: 11/22/11

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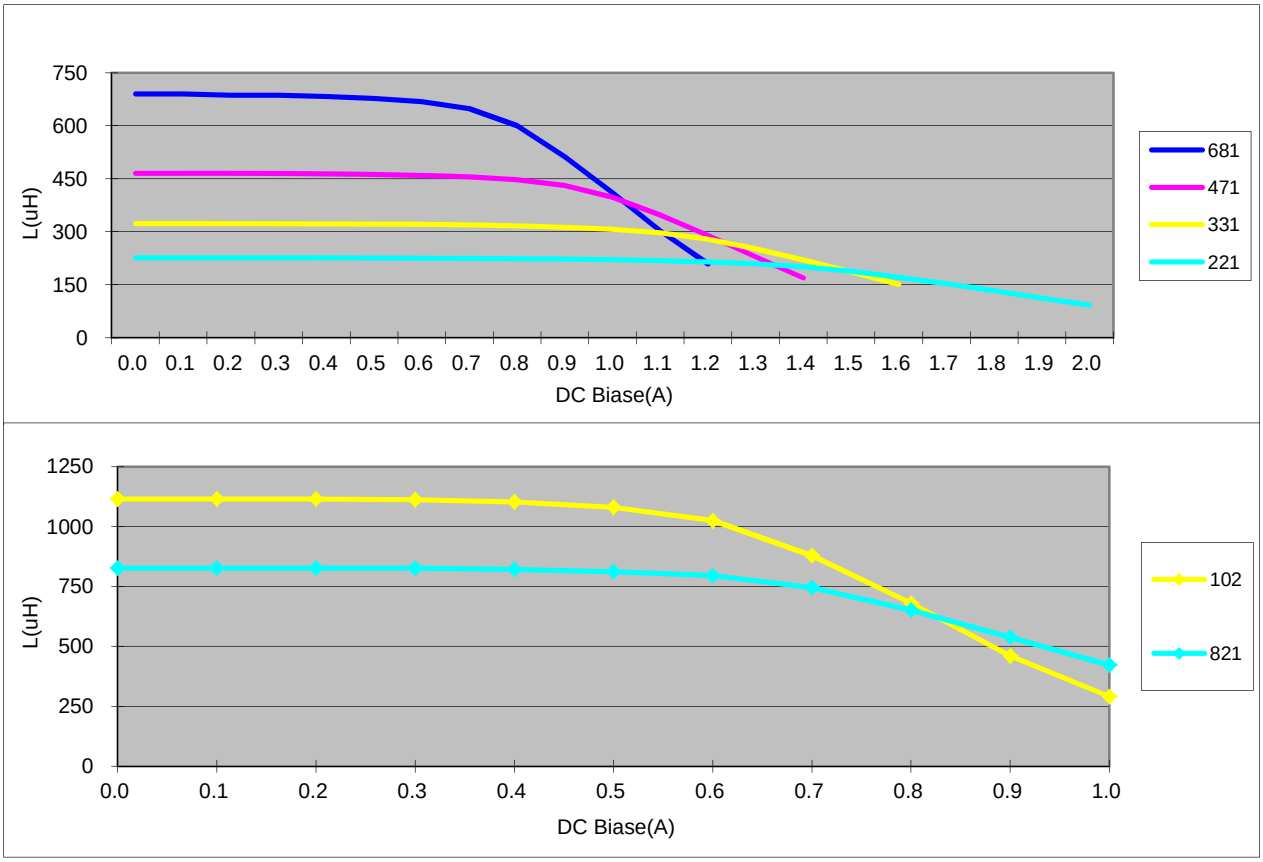

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