

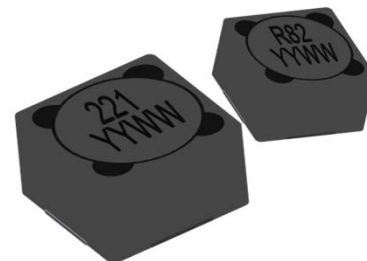


SDRH73B Series



1. Features of SDRH73B Series :

- Ferrite based SMD inductor with lower core loss.
- Inductance Range: 1.0 uH to 1,000.0 uH , custom values are welcomed.
- High current output chokes, up to 8.0 Amp with approx. 30% roll off.
- Low Profile 3.55mm max. height.
- Foot Print 7.6 x 7.6mm max.
- Perfect for high density designs with limited board space.
- Operating Temperature Range of -55°C up to + 130°C.
- RoHS, HF and AEC-Q200 Standard Compliant
- T & R Qty: 1,000 pcs , 13" Reel.



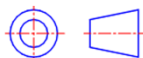
2. Electrical Characteristics of SDRH73B Series:

Part Number	OCL (uH) ±20%	DCR (Ω) Typ.	DCR (Ω) Max.	Isat (A) @25°C	L@Isat (uH) Typ.	Irms (A) @25°C	L@Irms (uH) Typ.
SDRH73B-1R0MHF	1.0	0.0091	0.0109	8.0 0	0.785	6.50	0.890
SDRH73B-1R5MHF	1.5	0.0125	0.0150	6.52	1.185	5.54	1.325
SDRH73B-2R2MHF	2.2	0.0180	0.0216	5.52	1.700	4.60	1.950
SDRH73B-3R3MHF	3.3	0.0230	0.0276	4.4 0	2.690	4.08	2.850
SDRH73B-4R7MHF	4.7	0.0297	0.0356	3.78	3.630	3.60	3.340
SDRH73B-6R8MHF	6.8	0.0415	0.0498	3.12	5.530	3.04	5.660
SDRH73B-8R2MHF	8.2	0.0525	0.0630	2.80	6.500	2.70	6.700
SDRH73B-100MHF	10.0	0.0656	0.0787	2.50	8.160	2.35	8.480
SDRH73B-150MHF	15.0	0.0800	0.0960	1.90	11.520	2.12	9.670
SDRH73B-220MHF	22.0	0.1080	0.1300	1.64	16.150	1.83	13.900
SDRH73B-330MHF	33.0	0.1660	0.1990	1.35	24.750	1.48	19.750
SDRH73B-470MHF	47.0	0.2310	0.2770	1.11	34.630	1.25	28.000
SDRH73B-680MHF	68.0	0.3310	0.3970	0.94	49.820	1.04	41.330
SDRH73B-820MHF	82.0	0.4100	0.4920	0.85	59.650	0.94	49.350
SDRH73B-101MHF	100.0	0.4910	0.5890	0.77	73.950	0.86	60.330
SDRH73B-151MHF	150.0	0.7510	0.9010	0.62	109.80	0.69	88.900
SDRH73B-221MHF	220.0	1.0500	1.2600	0.52	161.380	0.59	126.100
SDRH73B-331MHF	330.0	1.5900	1.9080	0.44	252.680	0.48	219.900
SDRH73B-471MHF	470.0	2.1700	2.6040	0.35	349.10	0.41	263.700
SDRH73B-681MHF	680.0	3.1200	3.7440	0.31	542.10	0.34	467.300
SDRH73B-821MHF	820.0	4.0100	4.8120	0.27	648.20	0.30	515.500
SDRH73B-102MHF	1000.0	5.0600	6.0720	0.24	727.10	0.27	578.400

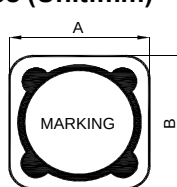
3. Mechanical Dimension of SDRH73B Series (Unit:mm)

A	B	C	D	E	F
±0.3	±0.3	Max.	±0.3	Ref.	Ref.
7.3	7.3	3.55	7.0	3.9	2.0

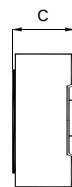
Third Angle Projection:



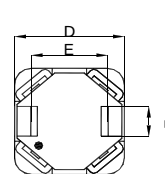
Part Marking:
Rxx x: xx is inductance value in uH(R:decimal point),
x is special code.
YYWW: Date Code



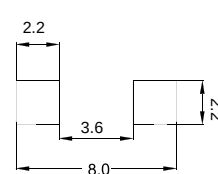
TOP VIEW



SIDE VIEW



BOTTOM VIEW



Suggest PCB Layout

Notes:

1. Open Circuit Inductance (OCL), L@Irms, L@Isat and DCR test condition: 100KHz, 0.25Vrms at 25°C.
2. Isat: DC current that causes inductance to drop by approximately 30% from OCL; (Ta=25°C)
3. Irms: DC current that causes an approximate temperature rise (ΔT) of 40°C; (Ta=25°C)

● 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 B: January 27, 2016

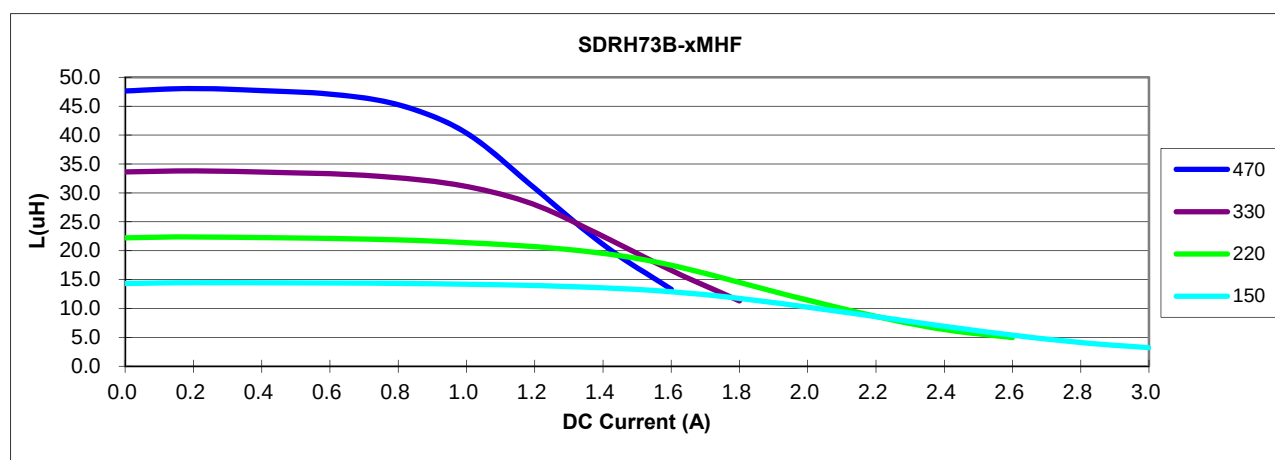
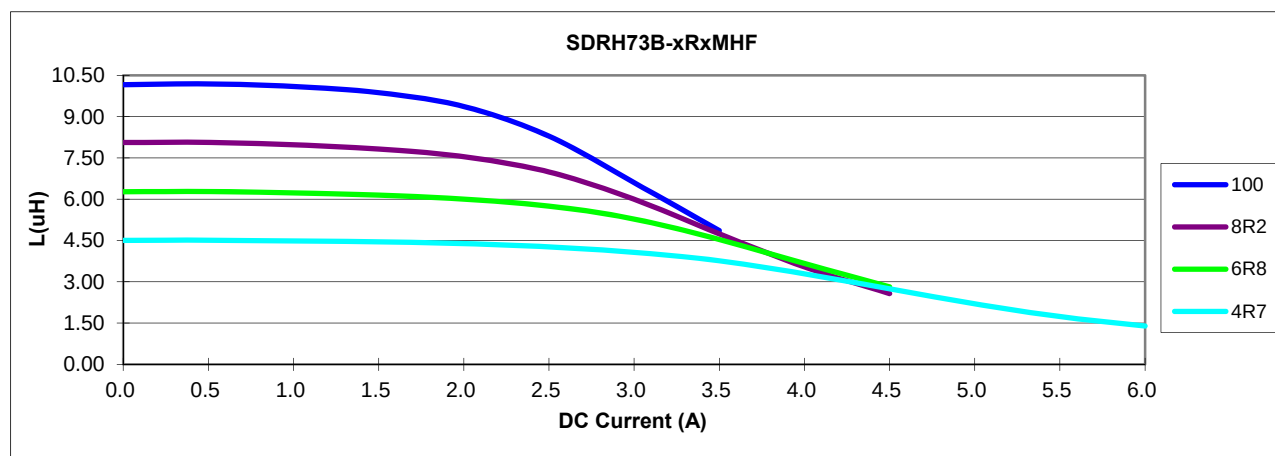
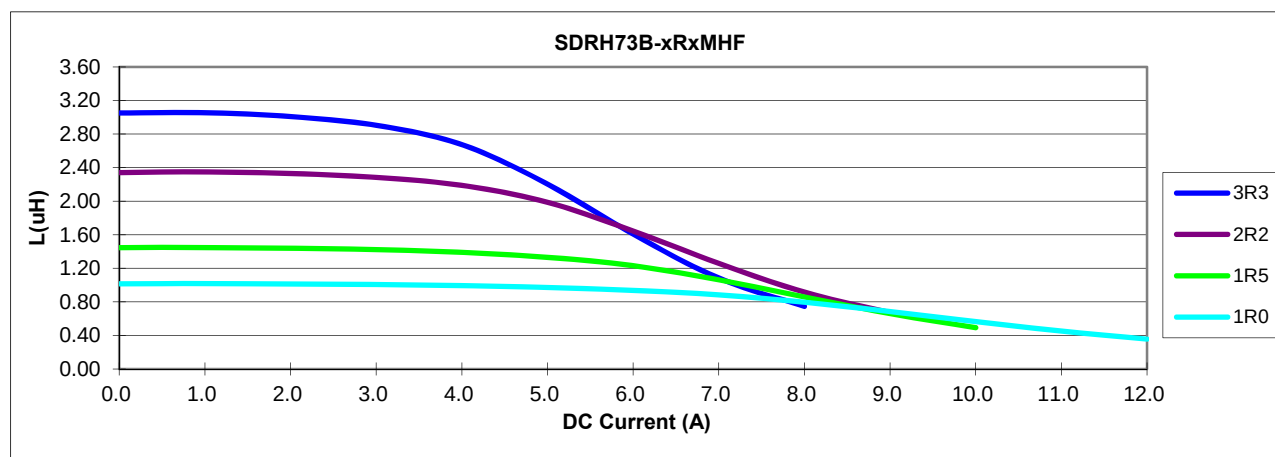
*Due to continuous product improvement, all specifications are subject to change without prior notice. Kindly contact an ITG field application engineer or a sales representative prior to purchase.



SDRH73B Series



4. Inductance Characteristics of SDRH73B Series (Inductance vs Current):



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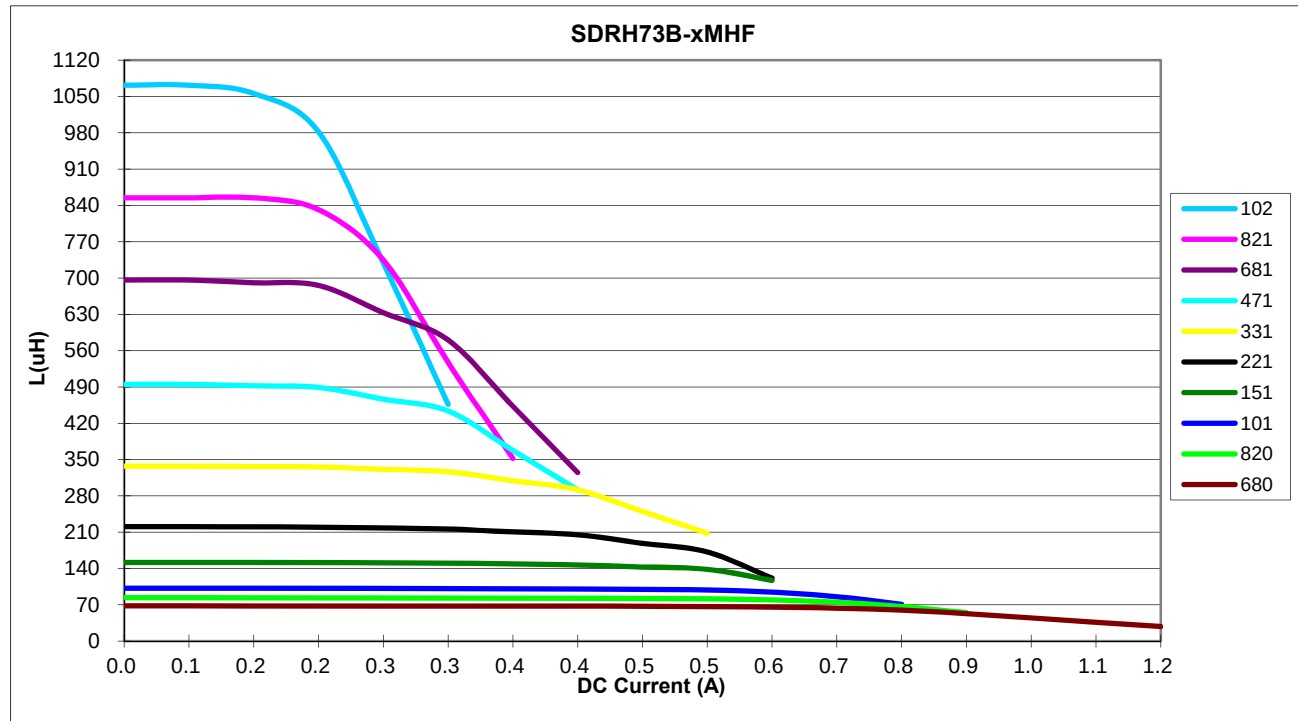
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