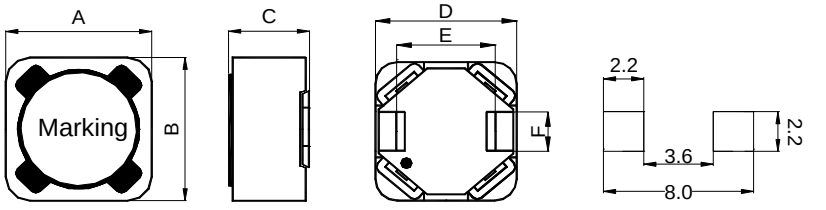
SDRH73B Series

1. Features:

· Ferrite based SMD Inductor with lower core loss.
· Inductance Range:1.0uH to 1000uH. Custom values are welcomed.
· High current output chokes, up to 8.0 Amp with about 30% roll off.
· Low profile 3.55mm Max.height
· Foot print 7.6 x 7.6mm 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: 1350 pcs , 13" Reel ;

2. Mechanical Dimension(Unit:mm):



TOP VIEW SIED VIEW BOTTOM VIEW Suggest PCB Layout

Type	SDRH73B
A	7.3 ± 0.3
B	7.3 ± 0.3
C	3.55 (Max.)
D	7.0 ± 0.3
E	3.9 (Ref.)
F	2.0 (Ref.)

3. Electrical Characteristic of SDRH73B 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.
SDRH73B-1R0MHF	1.0	0.0091	0.0109	8.00	0.785	6.50	0.890
SDRH73B-1R5MHF	1.5	0.0125	0.0150	6.52	1.186	5.54	1.325
SDRH73B-2R2MHF	2.2	0.0180	0.0216	5.52	1.70	4.60	1.950
SDRH73B-3R3MHF	3.3	0.0230	0.0276	4.40	2.69	4.08	2.840
SDRH73B-4R7MHF	4.7	0.0297	0.0356	3.78	3.63	3.65	3.800
SDRH73B-6R8MHF	6.8	0.0415	0.0498	3.12	5.53	3.04	5.660
SDRH73B-8R2MHF	8.2	0.0525	0.0630	2.80	6.50	2.70	6.700
SDRH73B-100MHF	10	0.0656	0.0787	2.50	8.16	2.35	8.480
SDRH73B-150MHF	15	0.0800	0.0960	2.05	10.30	2.12	9.650
SDRH73B-220MHF	22	0.108	0.130	1.67	15.25	1.83	13.900
SDRH73B-330MHF	33	0.166	0.199	1.35	24.75	1.48	19.750
SDRH73B-470MHF	47	0.231	0.277	1.14	33.20	1.25	27.900
SDRH73B-680MHF	68	0.331	0.397	0.96	48.00	1.04	41.330
SDRH73B-820MHF	82	0.410	0.492	0.89	55.05	0.94	49.300
SDRH73B-101MHF	100	0.491	0.589	0.79	71.00	0.86	60.330
SDRH73B-151MHF	150	0.751	0.901	0.65	100.80	0.69	88.900
SDRH73B-221MHF	220	1.050	1.260	0.53	156.30	0.59	126.000
SDRH73B-331MHF	330	1.590	1.908	0.44	252.70	0.48	219.900
SDRH73B-471MHF	470	2.170	2.604	0.37	320.20	0.41	263.700
SDRH73B-681MHF	680	3.120	3.744	0.31	542.10	0.34	467.300
SDRH73B-821MHF	820	4.010	4.812	0.28	591.30	0.30	515.500
SDRH73B-102MHF	1000	5.060	6.072	0.25	679.90	0.27	578.400

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.

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Inductance vs. Current