RH127-M Series

Features

- High efficiency, high coupling
- High rated current, low DC resistance
- RoHS compliance.
- Halogen Free.

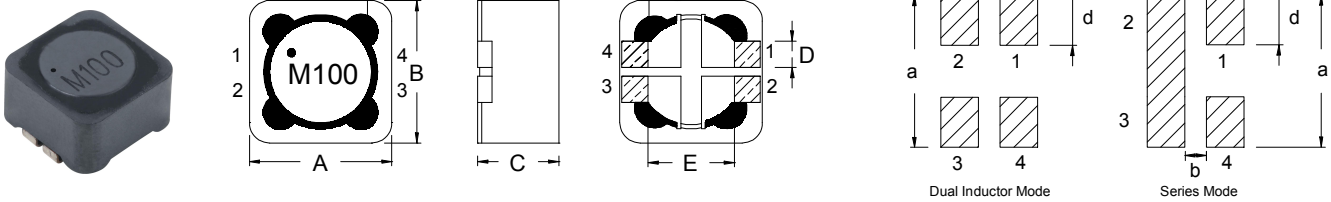
Applications

- Excellent for Desktop and servers,DVD and media players,DC-DC Converters,VBM inductor for CPU and DDR power,Input and output filter chokes.

Test Equipment and Conditions

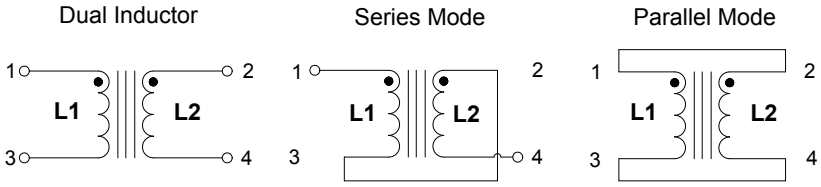
- All test data is referenced to 25℃ ambient.
- Operating temperature range -40℃ to +105℃.(Including self - temperature rise)
- DC current (Irms) that will cause an approximate△T of 40℃.
- DC current (Isat) that will cause L0 to drop approximately 35%.
- Test frequency at 100KHz,0.25V.

External Dimensions (Unit : m/m)



TYPE	A	B	C	D Typ.	E Typ.	a Typ.	b Typ.	c Typ.	d Typ.	Q'TY/Reel
RH127	12.5Max	12.5Max	8.0Max	2.0	8.0	13.8	0.5	2.5	3.85	350

Schematics



Part Number Code

RH	127	M	R47	M
A	B	C	D	E

A:	Type of product	Power Inductors
B:	Dimensions(mm)	12：12.5 x12.5x 8.0 Max
C:	Tolerance	M：±20%
D:	Inductance	R47=0.47uH
E:	Materials	M Type

RH127-M Series

Part Number	Rated Inductance (μH)	Parallel Ratings				Series Ratings			
		OCL ±20% （uH）	Irms （A）	Isat （A）	DCR (Ω) Typ	OCL ±20% （uH）	Irms （A）	Isat （A）	DCR (Ω) Typ
RH127MR47M	0.47	0.419	18.10	56.60	0.00193	1.676	9.00	28.30	0.0078
RH127M1R0M	1.0	0.821	15.70	40.40	0.00258	3.284	7.80	20.00	0.0102
RH127M1R5M	1.5	1.357	13.65	31.42	0.00338	5.428	6.84	15.80	0.0136
RH127M2R2M	2.2	2.027	12.65	25.80	0.00369	8.108	6.30	12.80	0.0159
RH127M3R3M	3.3	2.831	10.50	21.72	0.00561	11.32	5.29	10.90	0.0226
RH127M4R7M	4.7	4.841	8.33	16.67	0.00908	19.36	4.18	8.35	0.0363
RH127M6R8M	6.8	7.387	7.40	13.45	0.0114	29.55	3.70	6.75	0.0460
RH127M8R2M	8.2	8.861	6.39	12.35	0.0155	35.44	3.20	6.15	0.0620
RH127M100M	10	10.47	6.10	11.32	0.0170	41.88	3.05	5.65	0.0680
RH127M150M	15	14.09	5.08	9.76	0.0244	56.36	2.51	4.90	0.0980
RH127M220M	22	22.93	4.05	7.65	0.0388	91.72	2.05	3.80	0.1554
RH127M330M	33	33.92	3.26	6.29	0.0594	135.7	1.63	3.15	0.2390
RH127M470M	47	47.05	2.98	5.33	0.0711	188.2	1.47	2.66	0.2853
RH127M680M	68	66.48	2.45	4.48	0.1040	265.9	1.235	2.240	0.417
RH127M820M	82	79.75	2.15	4.11	0.1415	319.0	1.050	2.050	0.568
RH127M101M	100	99.31	1.98	3.67	0.1615	397.2	0.980	1.850	0.645
RH127M151M	150	144.9	1.60	3.05	0.2445	579.6	0.805	1.530	0.979
RH127M221M	220	221.5	1.32	2.45	0.3725	886.0	0.650	1.230	1.49
RH127M331M	330	323.6	1.06	2.05	0.57	1294	0.527	1.010	2.27
RH127M471M	470	467.1	0.87	1.70	0.856	1868	0.430	0.845	3.4
RH127M681M	680	676.7	0.78	1.40	1.07	2707	0.385	0.705	4.28
RH127M821M	820	818.1	0.66	1.27	1.45	3272	0.328	0.640	5.84
RH127M102M	1000	1005	0.63	1.15	1.65	4020	0.310	0.575	6.58