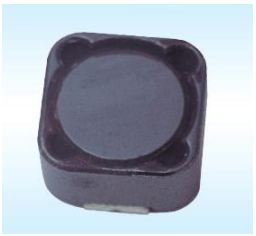
SMD Power Inductor(MGSDRH Series) 贴片功率电感 MGSDRH 系列

FEATURES 特点



- Excellent solderability and high heat resistance.
  良好的可焊性
- Low cost and packed in embossed carrier tape.
  低成本编带包装
- Magnetically shielded construction.
  磁屏蔽结构

APPLICATIONS 应用

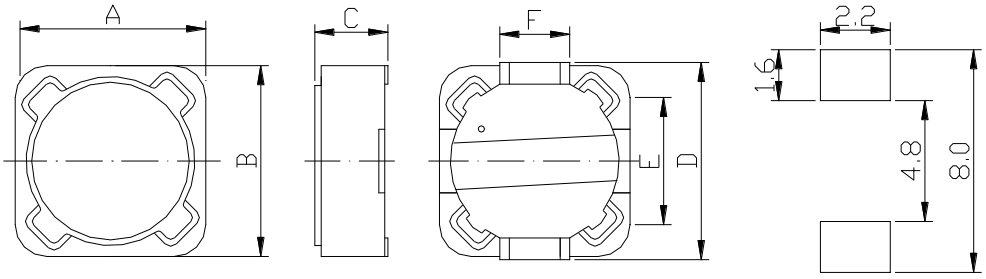
- Ideally used in Power supply for VTR,OA equipment, Digital camera, LCD television set notebook PC, etc as DC-DC Converter. 用于录影机、OA 仪器、数码相机、液晶电视、笔记本电脑、DC-DC 变压器之电源供应器等。

Product Identification 产品标识

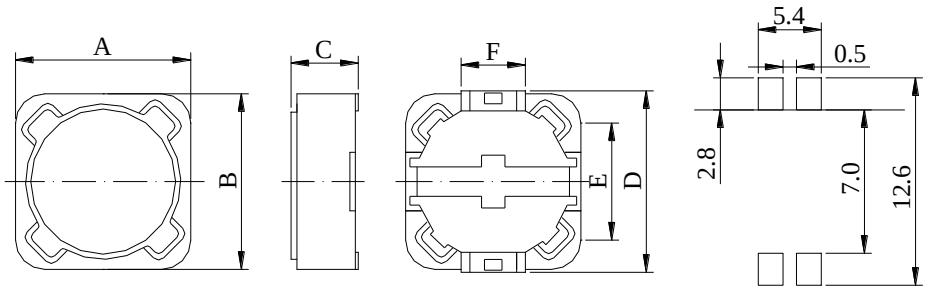
MGSDRH	125	-	100	N	-	LF
①	②		③	④		⑤

① Series name 系列名称
② Product dimensions 产品尺寸： (12*12*6.0 mm)
③ Inductance Value 电感量： (3R3:3.3uH 100: 10uH; 101:100uH)
④ Inductance Tolerance 电感量公差：(K:10% ; M:20% ; N:30% or 25%)
⑤ Lead free products 无铅产品

Shapes And Dimensions 外形及尺寸示意图



Series	Dimensions(mm)					
	A	B	C(max.)	D	E	F
MGSDRH73	7.3±0.5	7.3±0.5	3.5	7.2	4.5	1.8
MGSDRH74	7.3±0.5	7.3±0.5	4.5	7.2	4.5	1.8



Series	Dimensions(mm)					
	A(max.)	B(max.)	C(max.)	D	E	F
MGSDRH124	12.3	12.3	4.5	11.8	7.6	5
MGSDRH125	12.3	12.3	6.0	11.8	7.6	5
MGSDRH127	12.3	12.3	8.0	11.8	7.6	5

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Electrical Characteristics 电气性能

MGSDRH73 Series

Part Number	L±20% (uH)	Test freq. (KHz)	DCR max. (Ω)	Rated Current (A)
MGSDRH73-100M-LF	10	1.0	0.072	1.68
MGSDRH73-120M-LF	12	1.0	0.098	1.52
MGSDRH73-150M-LF	15	1.0	0.13	1.33
MGSDRH73-180M-LF	18	1.0	0.14	1.20
MGSDRH73-220M-LF	22	1.0	0.19	1.07
MGSDRH73-270M-LF	27	1.0	0.21	0.96
MGSDRH73-330M-LF	33	1.0	0.24	0.91
MGSDRH73-390M-LF	39	1.0	0.32	0.77
MGSDRH73-470M-LF	47	1.0	0.36	0.76
MGSDRH73-560M-LF	56	1.0	0.47	0.68
MGSDRH73-680M-LF	68	1.0	0.52	0.61
MGSDRH73-820M-LF	82	1.0	0.69	0.57
MGSDRH73-101M-LF	100	1.0	0.79	0.50
MGSDRH73-121M-LF	120	1.0	0.89	0.49
MGSDRH73-151M-LF	150	1.0	1.27	0.43
MGSDRH73-181M-LF	180	1.0	1.45	0.39
MGSDRH73-221M-LF	220	1.0	1.65	0.35
MGSDRH73-271M-LF	270	1.0	2.31	0.32
MGSDRH73-331M-LF	330	1.0	2.62	0.28
MGSDRH73-391M-LF	390	1.0	2.94	0.26
MGSDRH73-471M-LF	470	1.0	4.18	0.24
MGSDRH73-561M-LF	560	1.0	4.67	0.22
MGSDRH73-681M-LF	680	1.0	5.73	0.19
MGSDRH73-821M-LF	820	1.0	6.54	0.18
MGSDRH73-102M-LF	1000	1.0	9.44	0.16

1. Rated current is either the inductance is 25% lover than its nominal value in D.C. saturation characteristics or temperature raise becomes ΔT=40℃,whichever is lover.

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MGSDRH74 Series

Part Number	L±20% (uH)	Test freq. (KHz)	DCR max. (Ω)	Rated Current (A)
MGSDRH74-100M-LF	10	100	0.049	1.84
MGSDRH74-120M-LF	12	100	0.058	1.71
MGSDRH74-150M-LF	15	100	0.081	1.47
MGSDRH74-180M-LF	18	100	0.091	1.31
MGSDRH74-220M-LF	22	100	0.11	1.23
MGSDRH74-270M-LF	27	100	0.15	1.12
MGSDRH74-330M-LF	33	100	0.17	0.96
MGSDRH74-390M-LF	39	100	0.23	0.91
MGSDRH74-470M-LF	47	100	0.26	0.88
MGSDRH74-560M-LF	56	100	0.35	0.75
MGSDRH74-680M-LF	68	100	0.38	0.69
MGSDRH74-820M-LF	82	100	0.43	0.61
MGSDRH74-101M-LF	100	100	0.61	0.60
MGSDRH74-121M-LF	120	100	0.66	0.52
MGSDRH74-151M-LF	150	100	0.88	0.46
MGSDRH74-181M-LF	180	100	0.98	0.42
MGSDRH74-221M-LF	220	100	1.17	0.36
MGSDRH74-271M-LF	270	100	1.64	0.34
MGSDRH74-331M-LF	330	100	1.86	0.32
MGSDRH74-391M-LF	390	100	2.85	0.29
MGSDRH74-471M-LF	470	100	3.01	0.26
MGSDRH74-561M-LF	560	100	3.62	0.23
MGSDRH74-681M-LF	680	100	4.63	0.22
MGSDRH74-821M-LF	820	100	5.20	0.20
MGSDRH74-102M-LF	1000	100	6.00	0.18

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MGSDRH124 Series

Part Number	L (uH)	tolerance	Test freq. (KHz)	DCR max. (Ohms)	Rated Current (A)
MGSDRH124-3R9M-LF	3.9	±20%	100	0.015	6.50
MGSDRH124-4R7M-LF	5.0	±20%	100	0.018	5.70
MGSDRH124-6R8M-LF	6.8	±20%	100	0.023	4.90
MGSDRH124-8R2M-LF	8.2	±20%	100	0.026	4.60
MGSDRH124-100M-LF	10	±20%	100	0.028	4.50
MGSDRH124-120M-LF	12	±20%	100	0.038	4.00
MGSDRH124-150M-LF	15	±20%	100	0.050	3.20
MGSDRH124-180M-LF	18	±20%	100	0.057	3.10
MGSDRH124-220M-LF	22	±20%	100	0.066	2.90
MGSDRH124-270M-LF	27	±20%	100	0.080	2.80
MGSDRH124-330M-LF	33	±20%	100	0.097	2.70
MGSDRH124-390M-LF	39	±20%	100	0.132	2.10
MGSDRH124-470M-LF	47	±20%	100	0.150	1.90
MGSDRH124-560M-LF	56	±20%	100	0.190	1.80
MGSDRH124-680M-LF	68	±20%	100	0.220	1.50
MGSDRH124-820M-LF	82	±20%	100	0.260	1.30
MGSDRH124-101M-LF	100	±20%	100	0.308	1.20
MGSDRH124-121M-LF	120	±20%	100	0.380	1.10
MGSDRH124-151M-LF	150	±20%	100	0.530	0.95
MGSDRH124-181M-LF	180	±20%	100	0.620	0.85
MGSDRH124-221M-LF	220	±20%	100	0.700	0.80
MGSDRH124-271M-LF	270	±20%	100	0.870	0.60
MGSDRH124-331M-LF	330	±20%	100	0.990	0.50

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SMD Power Inductor(MGSDRH Series) 贴片功率电感 MGSDRH 系列

MGSDRH125 Series

Part Number	L (uH)	Tolerance	Test freq. (KHz)	DCR max. (Ohms)	Rated Current (A)
MGSDRH125-1R3N-LF	1.3	±30%	100	0.012	8.00
MGSDRH125-2R1N-LF	2.1	±30%	100	0.014	7.00
MGSDRH125-3R1N-LF	3.1	±30%	100	0.017	6.00
MGSDRH125-4R4N-LF	4.4	±30%	100	0.020	5.00
MGSDRH125-5R8N-LF	5.8	±30%	100	0.021	4.40
MGSDRH125-7R5N-LF	7.5	±30%	100	0.024	4.20
MGSDRH125-100M-LF	10	±20%	1.0	0.025	4.00
MGSDRH125-120M-LF	12	±20%	1.0	0.027	3.50
MGSDRH125-150M-LF	15	±20%	1.0	0.030	3.30
MGSDRH125-180M-LF	18	±20%	1.0	0.034	3.00
MGSDRH125-220M-LF	22	±20%	1.0	0.036	2.80
MGSDRH125-270M-LF	27	±20%	1.0	0.051	2.30
MGSDRH125-330M-LF	33	±20%	1.0	0.057	2.10
MGSDRH125-390M-LF	39	±20%	1.0	0.068	2.00
MGSDRH125-470M-LF	47	±20%	1.0	0.075	1.80
MGSDRH125-560M-LF	56	±20%	1.0	0.11	1.70
MGSDRH125-680M-LF	68	±20%	1.0	0. 12	1.50
MGSDRH125-820M-LF	82	±20%	1.0	0.14	1.40
MGSDRH125-101M-LF	100	±20%	1.0	0.16	1.30
MGSDRH125-121M-LF	120	±20%	1.0	0.17	1.10
MGSDRH125-151M-LF	150	±20%	1.0	0.23	1.00
MGSDRH125-181M-LF	180	±20%	1.0	0.29	0.90
MGSDRH125-221M-LF	220	±20%	1.0	0.40	0.80
MGSDRH125-271M-LF	270	±20%	1.0	0.46	0.75
MGSDRH125-331M-LF	330	±20%	1.0	0.51	0.68
MGSDRH125-391M-LF	390	±20%	1.0	0.69	0.65
MGSDRH125-471M-LF	470	±20%	1.0	0.77	0.58
MGSDRH125-561M-LF	560	±20%	1.0	0.86	0.54
MGSDRH125-681M-LF	680	±20%	1.0	1.20	0.48
MGSDRH125-821M-LF	820	±20%	1.0	1.34	0.43
MGSDRH125-102M-LF	1000	±20%	1.0	1.53	0.40

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MGSDRH127 Series

Part Number	L (uH)	Tolerance	Test freq. (KHz)	DCR max. (Ohms)	Rated Current (A)
MGSDRH127-1R2N-LF	1.2	+40%-20%	100	0.007	9.80
MGSDRH127-2R4N-LF	2.4	+40%-20%	100	0.012	8.00
MGSDRH127-3R5N-LF	3.5	+40%-20%	100	0.014	7.50
MGSDRH127-4R7N-LF	4.7	+40%-20%	100	0.016	6.80
MGSDRH127-6R1N-LF	6.1	+40%-20%	100	0.018	6.60
MGSDRH127-7R6N-LF	7.6	+40%-20%	100	0.020	5.90
MGSDRH127-100M-LF	10	±20%	1.0	0.022	5.40
MGSDRH127-120M-LF	12	±20%	1.0	0.025	4.90
MGSDRH127-150M-LF	15	±20%	1.0	0.030	4.50
MGSDRH127-180M-LF	18	±20%	1.0	0.040	3.90
MGSDRH127-220M-LF	22	±20%	1.0	0.044	3.60
MGSDRH127-270M-LF	27	±20%	1.0	0.046	3.40
MGSDRH127-330M-LF	33	±20%	1.0	0.065	3.00
MGSDRH127-390M-LF	39	±20%	1.0	0.073	2.75
MGSDRH127-470M-LF	47	±20%	1.0	0.100	2.50
MGSDRH127-560M-LF	56	±20%	1.0	0.110	2.35
MGSDRH127-680M-LF	68	±20%	1.0	0.140	2.10
MGSDRH127-820M-LF	82	±20%	1.0	0.160	1.95
MGSDRH127-101M-LF	100	±20%	1.0	0.220	1.70
MGSDRH127-121M-LF	120	±20%	1.0	0.250	1.60
MGSDRH127-151M-LF	150	±20%	1.0	0.280	1.42
MGSDRH127-181M-LF	180	±20%	1.0	0.350	1.30
MGSDRH127-221M-LF	220	±20%	1.0	0.390	1.16
MGSDRH127-271M-LF	270	±20%	1.0	0.560	1.06
MGSDRH127-331M-LF	330	±20%	1.0	0.640	0.95
MGSDRH127-391M-LF	390	±20%	1.0	0.700	0.88
MGSDRH127-471M-LF	470	±20%	1.0	0.980	0.79
MGSDRH127-561M-LF	560	±20%	1.0	1.070	0.73
MGSDRH127-681M-LF	680	±20%	1.0	1.460	0.67
MGSDRH127-821M-LF	820	±20%	1.0	1.640	0.60
MGSDRH127-102M-LF	1000	±20%	1.0	1.820	0.55

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