

SMD Power Inductor(MGSDRH124,125,127,129 Series) 贴片功率电感 MGSDRH124,125,127,129 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

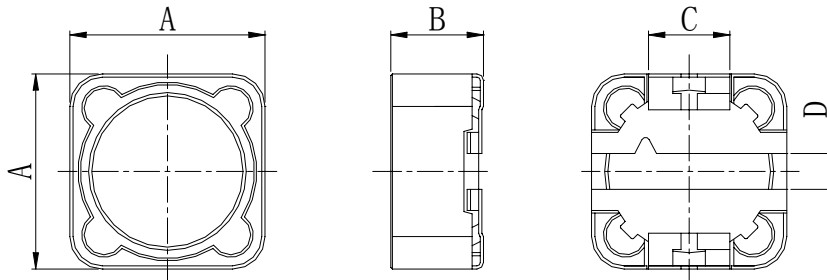
- Ideally used in Mobilephone,PDA,MP3,MDSC/DVC,Portable DVD, etc as DC-DC Converter.
用于移动电话、PDA、MP3、影碟机、便携式DVD、DC-DC转换等。

Product Identification 产品标识

MGSDRH **125** - **100** **M** **I** - **LF**
 ① ② ③ ④ ⑤ ⑥

- ① Series name 系列名称
- ② Product dimensions 产品尺寸:
- 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 Package 包装: Tape & reel
- ⑥ Lead free products 无铅产品

Shapes And Dimensions 外形及尺寸示意图



Series	Dimensions(mm)			
	A	B	C	D
MGSDRH124	12.3	4.5	5.0	7.6
MGSDRH125	12.3	6.0	5.0	7.6
MGSDRH127	12.3	8.0	5.0	7.6
MGSDRH129	12.3	10.0	5.0	7.6

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Electrical Characteristics 电气性能

MGSDRH124 Series

Part Number	L±20% (uH)	DCR max. (Ohms)	Isat (A)
MGSDRH124-1R0	1.0	8.00m	7.80
MGSDRH124-1R5	1.5	11.00m	7.20
MGSDRH124-2R2	2.2	13.00m	6.00
MGSDRH124-3R3	3.3	18.00m	5.40
MGSDRH124-3R9	3.9	21.00m	5.10
MGSDRH124-4R7	4.7	22.00m	4.80
MGSDRH124-5R6	5.6	23.00m	4.30
MGSDRH124-6R8	6.8	26.00m	4.20
MGSDRH124-8R2	8.2	31.00m	4.00
MGSDRH124-100	10	39.00m	3.90
MGSDRH124-120	12	44.00m	3.40
MGSDRH124-150	15	55.00m	3.20
MGSDRH124-180	18	65.00m	2.90
MGSDRH124-220	22	75.00m	2.50
MGSDRH124-270	27	86.00m	2.25
MGSDRH124-330	33	112.00m	2.00
MGSDRH124-390	39	121.00m	1.90
MGSDRH124-470	47	166.00m	1.80
MGSDRH124-560	56	182.00m	1.70
MGSDRH124-680	68	205.00m	1.55
MGSDRH124-820	82	243.00m	1.35
MGSDRH124-101	100	299.00m	1.20
MGSDRH124-121	120	358.00m	1.10
MGSDRH124-151	150	462.00m	950m
MGSDRH124-181	180	507.00m	850m
MGSDRH124-221	220	663.00m	800m
MGSDRH124-271	270	741.00m	650m
MGSDRH124-331	330	936.00m	550m
MGSDRH124-391	390	1.05	500m
MGSDRH124-471	470	1.30	440m
MGSDRH124-561	560	1.53	400m
MGSDRH124-681	680	1.72	370m
MGSDRH124-821	820	2.21	350m
MGSDRH124-102	1000	2.67	320m

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MGSDRH125 Series

Part Number	L±20% (uH)	DCR max. (Ohms)	Isat (A)
MGSDRH125-1R0	1.0	11.00m	8.50
MGSDRH125-2R2	2.2	15.50m	6.50
MGSDRH125-2R7	2.7	17.00m	6.00
MGSDRH125-3R3	3.3	18.00m	5.70
MGSDRH125-4R7	4.7	20.50m	4.70
MGSDRH125-5R6	5.6	21.00m	4.70
MGSDRH125-6R8	6.8	14.30m	4.40
MGSDRH125-100	10	25.00m	4.00
MGSDRH125-120	12	27.00m	3.50
MGSDRH125-150	15	30.00m	3.30
MGSDRH125-180	18	34.00m	3.00
MGSDRH125-220	22	36.00m	2.80
MGSDRH125-270	27	51.00m	2.30
MGSDRH125-330	33	57.00m	2.10
MGSDRH125-390	39	68.00m	2.00
MGSDRH125-470	47	75.00m	1.80
MGSDRH125-560	56	110.00m	1.70
MGSDRH125-680	68	120.00m	1.50
MGSDRH125-820	82	140.00m	1.40
MGSDRH125-101	100	160.00m	1.30
MGSDRH125-121	120	170.00m	1.10
MGSDRH125-151	150	230.00m	1.00
MGSDRH125-181	180	290.00m	900m
MGSDRH125-221	220	400.00m	800m
MGSDRH125-271	270	460.00m	750m
MGSDRH125-331	330	510.00m	680m
MGSDRH125-391	390	690.00m	650m
MGSDRH125-471	470	770.00m	580m
MGSDRH125-561	560	860.00m	540m

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MGSDRH127 Series

Part Number	L±20% (uH)	DCR max. (Ohms)	Isat (A)
MGSDRH127-1R0	1.0	6.50m	10.40
MGSDRH127-1R5	1.5	8.50m	9.20
MGSDRH127-2R2	2.2	11.00m	8.40
MGSDRH127-3R3	3.3	13.00m	7.60
MGSDRH127-3R9	3.9	14.00m	7.20
MGSDRH127-4R7	4.7	15.80m	6.80
MGSDRH127-5R6	5.6	16.70m	6.70
MGSDRH127-6R8	6.8	18.40m	6.50
MGSDRH127-7R6	7.6	20.00m	5.90
MGSDRH127-100	10	23.40m	5.40
MGSDRH127-120	12	26.00m	4.90
MGSDRH127-150	15	28.60m	4.50
MGSDRH127-180	18	39.20m	3.90
MGSDRH127-220	22	43.20m	3.60
MGSDRH127-270	27	51.09m	3.30
MGSDRH127-330	33	64.80m	3.00
MGSDRH127-390	39	72.90m	2.75
MGSDRH127-470	47	100.00m	2.50
MGSDRH127-560	56	110.00m	2.35
MGSDRH127-680	68	140.00m	2.10
MGSDRH127-820	82	160.00m	1.95
MGSDRH127-101	100	220.00m	1.70
MGSDRH127-121	120	250.00m	1.60
MGSDRH127-151	150	280.00m	1.42
MGSDRH127-181	180	290.00m	1.30
MGSDRH1274-221	220	299.00m	1.16
MGSDRH127-271	270	403.00m	1.06
MGSDRH127-331	330	455.00m	950m
MGSDRH127-391	390	494.00m	880m
MGSDRH127-471	470	689.00m	790m
MGSDRH127-561	560	793.00m	730m
MGSDRH127-681	680	988.00m	650m
MGSDRH127-821	820	1.10	600m
MGSDRH127-102	1000	1.40	530m

※ 测试条件: L≤8.2uH 测试频率 100KHz / 0.25V, (N±30%);

L>8.2uH 测试频率 1KHz / 0.25V, (M±20%);