

## SMD Power Inductor(MGSD52 Series) 贴片功率电感 MGSD52 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



### APPLICATIONS 应用

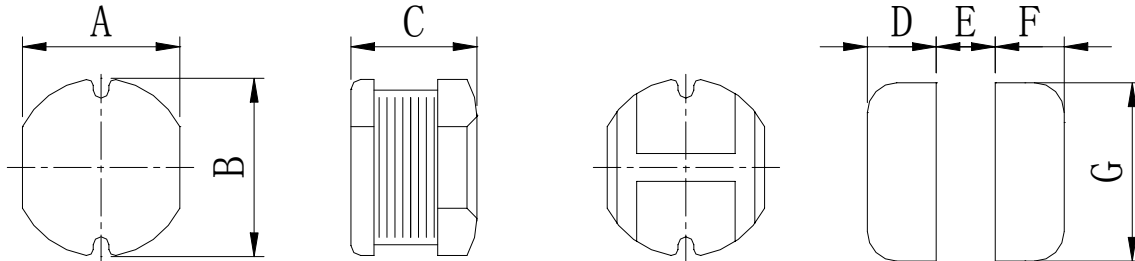
- Ideally used in Mobilephone,PDA,MP3,MDSC/DVC,Portable DVD, etc as DC-DC Converter.  
用于移动电话、PDA、MP3、影碟机、便携式DVD、DC-DC转换等。

### Product Identification 产品标识

MGSD      52 - 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	E	F	G
MGSD52	5.2	5.8	2.8	2.7	1.2	2.7	5.8

### Electrical Characteristics 电气性能

#### MGSD52 Series

Part Number	L±20% (uH)	DCR max. (Ohms)	Isat (A)
MGSD52-1R0	1.0	13.70m	3.55
MGSD52-1R5	1.5	28.60m	3.40
MGSD52-1R8	1.8	30.00m	2.50
MGSD52-2R2	2.2	32.50m	2.35
MGSD52-2R7	2.7	35.00m	2.30
MGSD52-3R3	3.3	48.00m	2.20
MGSD52-3R9	3.9	63.50m	2.10
MGSD52-4R7	4.7	75.00m	1.95
MGSD52-5R6	5.6	87.60m	1.75
MGSD52-6R8	6.8	95.00m	1.56
MGSD52-8R2	8.2	118.00m	1.50
MGSD52-100	10	151.00m	1.40
MGSD52-120	12	156.00m	1.25
MGSD52-150	15	234.00m	1.11
MGSD52-180	18	240.00m	1.00
MGSD52-220	22	298.00m	950m
MGSD52-270	27	325.00m	930m
MGSD52-330	33	408.00m	840m
MGSD52-390	39	434.00m	780m
MGSD52-470	47	569.00m	730m
MGSD52-560	56	638.00m	710m
MGSD52-680	68	800.00m	580m
MGSD52-820	82	880.00m	515m
MGSD52-101	100	1.13	460m
MGSD52-121	120	1.33	420m
MGSD52-151	150	1.92	380m
MGSD52-181	180	1.93	330m
MGSD52-221	220	2.50	320m
MGSD52-271	270	3.02	310m
MGSD52-331	330	3.87	285m
MGSD52-391	390	4.47	225m
MGSD52-471	470	5.66	215m
MGSD52-561	560	6.33	195m
MGSD52-681	680	7.53	185m
MGSD52-821	820	9.54	160m

※ 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%);