

## SMD Power Inductor(MGSD31 Series) 贴片功率电感 MGSD31 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

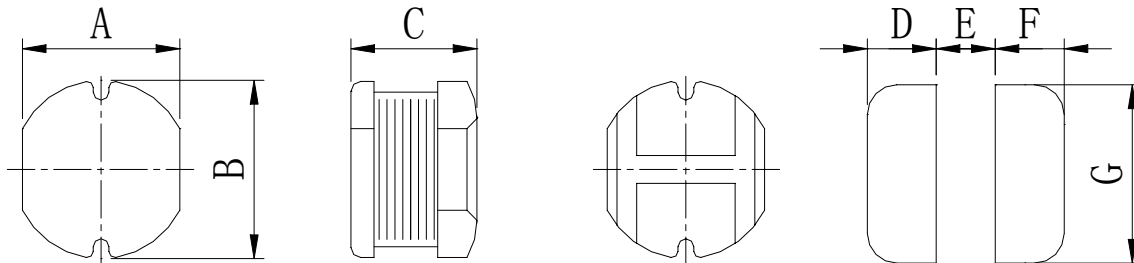
- Ideally used in Mobilephone,PDA,MP3,MDSC/DVC,Portable DVD, etc as DC-DC Converter.  
用于移动电话、PDA、MP3、影碟机、便携式DVD、DC-DC转换等。

### Product Identification 产品标识

MGSD      31   -   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
MGSD31	3.0	3.5	1.8	1.25	1.00	1.25	3.5

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### Electrical Characteristics 电气性能

#### MGSD31 Series

Part Number	L±20% (uH)	DCR max. (Ohms)	Isat (A)
MGSD31-1R0	1.0	49.00m	1.20
MGSD31-1R8	1.8	68.00m	1.10
MGSD31-2R2	2.2	78.00m	980m
MGSD31-2R7	2.7	109.00m	960m
MGSD31-4R7	4.7	163.00m	900m
MGSD31-5R6	5.6	182.00m	850m
MGSD31-6R8	6.8	234.00m	810m
MGSD31-8R2	8.2	260.00m	710m
MGSD31-100	10	306.00m	610m
MGSD31-120	12	377.00m	580m
MGSD31-150	15	442.00m	530m
MGSD31-180	18	520.00m	480m
MGSD31-220	22	637.00m	430m
MGSD31-270	27	767.00m	410m
MGSD31-330	33	1.01	370m
MGSD31-390	39	1.11	340m
MGSD31-470	47	1.47	300m
MGSD31-680	68	2.00	250m
MGSD31-101	100	2.90	200m

※ 测试条件:  $L \leq 8.2\mu\text{H}$  测试频率 100KHz / 0.25V, ( $N \pm 30\%$ );

$L > 8.2\mu\text{H}$  测试频率 1KHz / 0.25V, ( $M \pm 20\%$ );