

## SMD Power Inductor(MGSD32 Series) 贴片功率电感 MGSD32 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

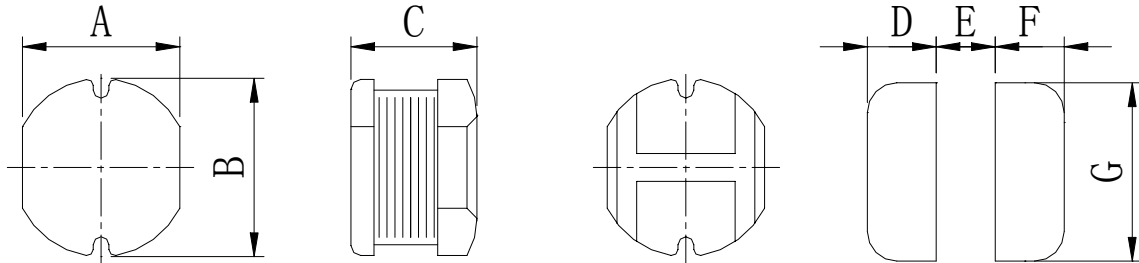
- Ideally used in Mobilephone,PDA,MP3,MDSC/DVC,Portable DVD, etc as DC-DC Converter.  
用于移动电话、PDA、MP3、影碟机、便携式DVD、DC-DC转换等。

### Product Identification 产品标识

MGSD      32   -   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
MGSD32	3.0	3.5	2.4	1.25	1.00	1.25	3.5

### Electrical Characteristics 电气性能

#### MGSD32 Series

Part Number	L±20% (uH)	DCR max. (Ohms)	Isat (A)
MGSD32-1R0	1.0	48.10m	2.00
MGSD32-1R8	1.8	56.00m	1.80
MGSD32-2R2	2.2	72.80m	1.40
MGSD32-2R7	2.7	98.00m	1.30
MGSD32-3R3	3.3	108.55m	1.25
MGSD32-3R9	3.9	148.20m	1.20
MGSD32-4R7	4.7	172.90m	1.10
MGSD32-5R6	5.6	192.40m	900m
MGSD32-6R8	6.8	219.44m	850m
MGSD32-8R2	8.2	247.00m	800m
MGSD32-100	10	286.00m	730m
MGSD32-120	12	325.00m	620m
MGSD32-150	15	468.00m	600m
MGSD32-180	18	546.00m	530m
MGSD32-220	22	611.00m	500m
MGSD32-270	27	680.00m	420m
MGSD32-330	33	962.00m	400m
MGSD32-390	39	1.05	360m
MGSD32-470	47	1.20	340m
MGSD32-560	56	1.53	320m
MGSD32-680	68	1.76	300m
MGSD32-820	82	2.39	280m
MGSD32-101	100	2.67	250m
MGSD32-121	120	3.72	200m
MGSD32-151	150	4.29	190m
MGSD32-181	180	4.81	170m
MGSD32-221	220	6.63	160m
MGSD32-271	270	7.80	130m
MGSD32-331	330	9.49	125m
MGSD32-391	390	10.53	120m
MGSD32-471	470	12.05	90m
MGSD32-561	560	13.26	80m
MGSD32-681	680	18.20	70m
MGSD32-821	820	23.40	60m

※ 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%);