

## SMD Power Inductor(MGSD105 Series) 贴片功率电感 MGSD105 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

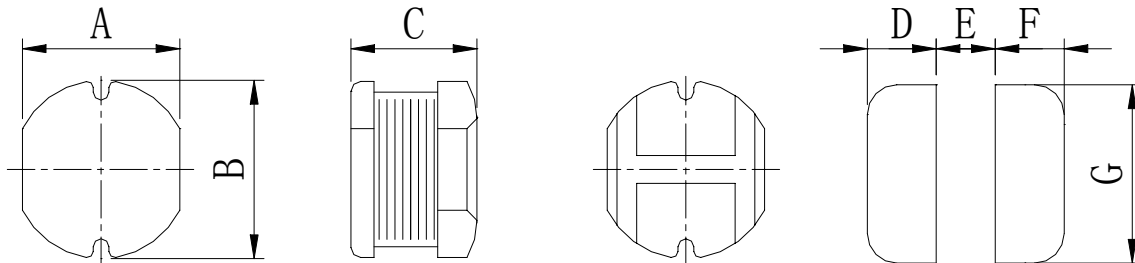
- Ideally used in Mobilephone,PDA,MP3,MDSC/DVC,Portable DVD, etc as DC-DC Converter.  
用于移动电话、PDA、MP3、影碟机、便携式DVD、DC-DC转换等。

### Product Identification 产品标识

MGSD      105   -   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
MGSD105	9.0	10.0	5.8	3.75	2.5	3.75	9.5

Electrical Characteristics 电气性能

MGSD105 Series

Part Number	L±20% (uH)	DCR max. (Ohms)	Isat (A)
MGSD105-1R0	1.0	8.45m	8.00
MGSD105-1R4	1.4	13.78m	6.80
MGSD105-1R5	1.5	13.78m	6.80
MGSD105-1R8	1.8	15.60m	6.50
MGSD105-2R7	2.7	17.81m	5.50
MGSD105-3R3	3.3	19.50m	5.00
MGSD105-4R7	4.7	22.10m	4.60
MGSD105-5R6	5.6	23.79m	4.00
MGSD105-6R8	6.8	26.00m	3.60
MGSD105-8R2	8.2	31.20m	3.20
MGSD105-100	10	34.45m	2.58
MGSD105-120	12	40.30m	2.44
MGSD105-150	15	45.50m	2.26
MGSD105-180	18	48.49m	2.13
MGSD105-220	22	70.20m	1.93
MGSD105-270	27	84.11m	1.74
MGSD105-330	33	92.30m	1.46
MGSD105-390	39	124.80m	1.36
MGSD105-470	47	135.20m	1.26
MGSD105-560	56	158.60m	1.15
MGSD105-680	68	200.20m	1.10
MGSD105-820	82	230.10m	980m
MGSD105-101	100	260.00m	950m
MGSD105-121	120	351.00m	870m
MGSD105-151	150	403.00m	740m
MGSD105-181	180	494.00m	700m
MGSD105-221	220	572.00m	650m
MGSD105-271	270	728.00m	540m
MGSD105-331	330	845.00m	500m
MGSD105-391	390	1.04	460m
MGSD105-471	470	1.18	400m
MGSD105-561	560	1.42	300m
MGSD105-681	680	1.99	280m
MGSD105-821	820	2.03	240m

※ 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%);