

SMD Power Inductor(MGSD54 Series) 贴片功率电感 MGSD54 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

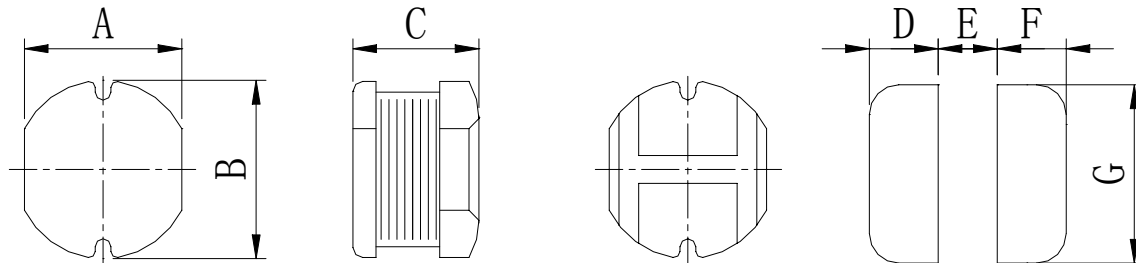
- Ideally used in Mobilephone,PDA,MP3,MDSC/DVC,Portable DVD, etc as DC-DC Converter.
用于移动电话、PDA、MP3、影碟机、便携式DVD、DC-DC转换等。

Product Identification 产品标识

MGSD 54 - 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
MGSD54	5.2	5.8	4.8	2.7	1.2	2.7	5.8

Electrical Characteristics 电气性能

MGSD54 Series

Part Number	L±20% (uH)	DCR max. (Ohms)	Isat (A)
MGSD54-1R0	1.0	13.00m	5.40
MGSD54-1R5	1.5	16.90m	4.70
MGSD54-1R8	1.8	19.50m	4.50
MGSD54-2R2	2.2	22.10m	4.00
MGSD54-3R3	3.3	31.20m	3.70
MGSD54-3R9	3.9	36.40m	3.20
MGSD54-4R7	4.7	52.00m	3.10
MGSD54-5R6	5.6	54.60m	2.80
MGSD54-6R8	6.8	58.50m	2.40
MGSD54-8R2	8.2	62.40m	2.00
MGSD54-100	10	87.90m	1.42
MGSD54-120	12	75.40m	1.38
MGSD54-150	15	105.30m	1.28
MGSD54-180	18	117.00m	1.22
MGSD54-220	22	169.00m	1.10
MGSD54-270	27	153.40m	950m
MGSD54-330	33	208.00m	860m
MGSD54-390	39	214.50m	780m
MGSD54-470	47	355.00m	710m
MGSD54-560	56	377.00m	660m
MGSD54-680	68	390.00m	600m
MGSD54-820	82	416.00m	570m
MGSD54-101	100	611.00m	510m
MGSD54-121	120	754.00m	470m
MGSD54-151	150	845.00m	380m
MGSD54-181	180	1.04	360m
MGSD54-221	220	1.45	340m
MGSD54-271	270	1.51	310m
MGSD54-331	330	1.76	280m
MGSD54-391	390	2.08	260m
MGSD54-471	470	2.99	240m
MGSD54-561	560	3.12	220m
MGSD54-681	680	3.90	200m
MGSD54-821	820	5.20	190m

※ 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%);