

SMD Power Inductor(MGSD51 Series) 贴片功率电感 MGSD51 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

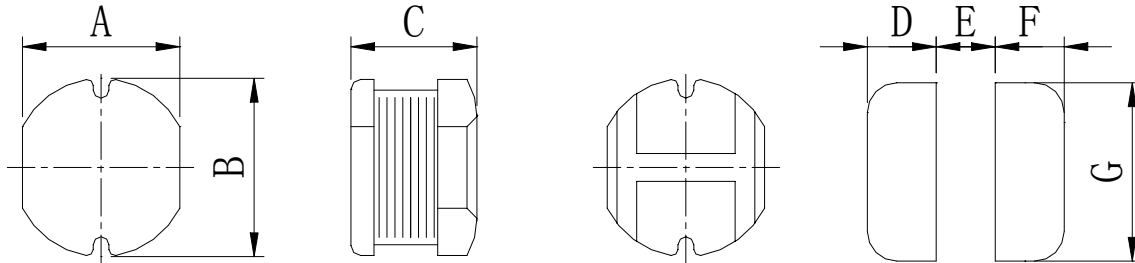
- Ideally used in Mobilephone,PDA,MP3,MDSC/DVC,Portable DVD, etc as DC-DC Converter.
用于移动电话、PDA、MP3、影碟机、便携式DVD、DC-DC转换等。

Product Identification 产品标识

MGSD 51 - 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 |
| MGSD51 | 5.2 | 5.8 | 2.3 | 2.7 | 1.2 | 2.7 | 5.8 |

Electrical Characteristics 电气性能

MGSD51 Series

| Part Number | L±20% (uH) | DCR max. (Ohms) | Isat (A) |
|-------------|---------------|--------------------|-------------|
| MGSD51-1R0 | 1.0 | 25.00m | 2.80 |
| MGSD51-1R5 | 1.5 | 32.00m | 2.50 |
| MGSD51-1R8 | 1.8 | 35.00m | 2.30 |
| MGSD51-2R2 | 2.2 | 46.00m | 2.00 |
| MGSD51-2R5 | 2.5 | 54.60m | 1.95 |
| MGSD51-3R3 | 3.3 | 69.00m | 1.60 |
| MGSD51-3R9 | 3.9 | 83.20m | 1.45 |
| MGSD51-4R7 | 4.7 | 91.00m | 1.43 |
| MGSD51-5R6 | 5.6 | 103.00m | 1.40 |
| MGSD51-6R8 | 6.8 | 121.00m | 1.20 |
| MGSD51-8R2 | 8.2 | 165.00m | 950m |
| MGSD51-100 | 10 | 192.00m | 900m |
| MGSD51-120 | 12 | 208.00m | 870m |
| MGSD51-150 | 15 | 259.00m | 840m |
| MGSD51-180 | 18 | 280.00m | 820m |
| MGSD51-220 | 22 | 389.00m | 690m |
| MGSD51-270 | 27 | 411.00m | 680m |
| MGSD51-330 | 33 | 533.00m | 625m |
| MGSD51-390 | 39 | 611.00m | 615m |
| MGSD51-470 | 47 | 735.00m | 535m |
| MGSD51-560 | 56 | 857.00m | 525m |
| MGSD51-680 | 68 | 1.04 | 490m |
| MGSD51-820 | 82 | 1.35 | 470m |
| MGSD51-101 | 100 | 1.56 | 360m |
| MGSD51-121 | 120 | 1.68 | 340m |
| MGSD51-151 | 150 | 2.37 | 300m |
| MGSD51-181 | 180 | 2.62 | 285m |
| MGSD51-221 | 220 | 3.21 | 270m |
| MGSD51-271 | 270 | 5.16 | 235m |
| MGSD51-331 | 330 | 6.00 | 215m |
| MGSD51-391 | 390 | 6.46 | 200m |
| MGSD51-471 | 470 | 7.53 | 160m |
| MGSD51-561 | 560 | 9.62 | 140m |
| MGSD51-681 | 680 | 11.02 | 120m |
| MGSD51-821 | 820 | 12.60 | 100m |

※ 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%);