

## SMD Power Inductor(MGSD73 Series) 贴片功率电感 MGSD73 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

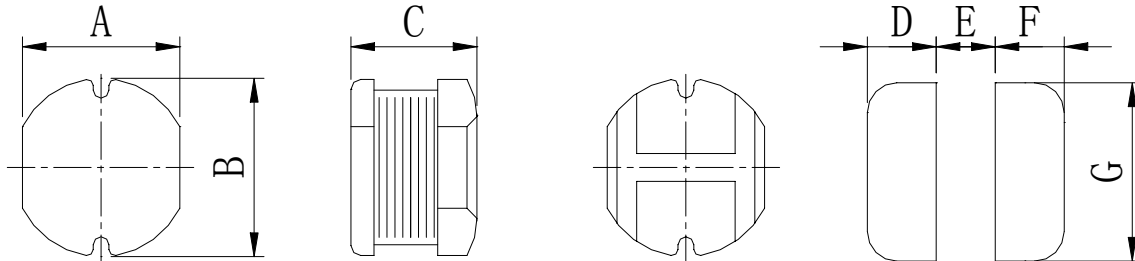
- Ideally used in Mobilephone,PDA,MP3,MDSC/DVC,Portable DVD, etc as DC-DC Converter.  
用于移动电话、PDA、MP3、影碟机、便携式DVD、DC-DC转换等。

### Product Identification 产品标识

MGSD      73   -   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   |
| MGSD73 | 7.0            | 7.8 | 3.5 | 3.0 | 2.0 | 3.0 | 7.5 |

Electrical Characteristics 电气性能

MGSD73 Series

| Part Number | L±20%<br>(uH) | DCR max.<br>(Ohms) | Isat<br>(A) |
|-------------|---------------|--------------------|-------------|
| MGSD73-1R2  | 1.2           | 9.10m              | 5.60        |
| MGSD73-2R2  | 2.2           | 14.30m             | 4.00        |
| MGSD73-2R7  | 2.7           | 16.90m             | 3.50        |
| MGSD73-3R3  | 3.3           | 19.50m             | 3.00        |
| MGSD73-3R9  | 3.9           | 22.10m             | 2.50        |
| MGSD73-4R7  | 4.7           | 26.00m             | 2.00        |
| MGSD73-5R6  | 5.6           | 31.20m             | 1.80        |
| MGSD73-6R8  | 6.8           | 39.00m             | 1.70        |
| MGSD73-8R2  | 8.2           | 45.50m             | 1.55        |
| MGSD73-100  | 10            | 55.90m             | 1.43        |
| MGSD73-120  | 12            | 59.80m             | 1.38        |
| MGSD73-150  | 15            | 72.80m             | 1.23        |
| MGSD73-180  | 18            | 85.80m             | 1.10        |
| MGSD73-220  | 22            | 117.00m            | 1.06        |
| MGSD73-270  | 27            | 130.00m            | 930m        |
| MGSD73-330  | 33            | 162.50m            | 820m        |
| MGSD73-390  | 39            | 192.40m            | 720m        |
| MGSD73-470  | 47            | 214.50m            | 680m        |
| MGSD73-560  | 56            | 247.00m            | 620m        |
| MGSD73-680  | 68            | 312.00m            | 580m        |
| MGSD73-820  | 82            | 338.00m            | 530m        |
| MGSD73-101  | 100           | 481.00m            | 500m        |
| MGSD73-121  | 120           | 520.00m            | 480m        |
| MGSD73-151  | 150           | 663.00m            | 410m        |
| MGSD73-181  | 180           | 715.00m            | 360m        |
| MGSD73-221  | 220           | 936.00m            | 300m        |
| MGSD73-271  | 270           | 1.10               | 280m        |
| MGSD73-331  | 330           | 1.30               | 270m        |
| MGSD73-391  | 390           | 1.60               | 240m        |
| MGSD73-471  | 470           | 1.86               | 220m        |
| MGSD73-561  | 560           | 2.34               | 200m        |
| MGSD73-681  | 680           | 2.60               | 190m        |
| MGSD73-821  | 820           | 3.50               | 170m        |

※ 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%);