

## 闭磁路功率贴片电感

SMDSD 系列 2D09 2D11 2D14 2D18  
3D11 3D14 3D16 3D28  
4D18 4D28 5D18 5D28  
6D28 6D38 8D28 8D38



### 特征:

小尺寸，电极与磁芯直接接触。

利用磁屏蔽

低直流电阻

适合大电流

### 品号说明:

SMDSD    3D18    -    101    M  
1                    2                    3                    4

1. 产品类型：贴片 SMDSD 类型。

2. 款式：铁芯尺寸。

3. 电感值：例如：101 表示 100 uH。

4. 电感容许公差：J:±5% ; K :±10% ; M:±20%

### 应用:

录影机

OA 仪器

液晶电视

笔记本电脑

小型通信机器

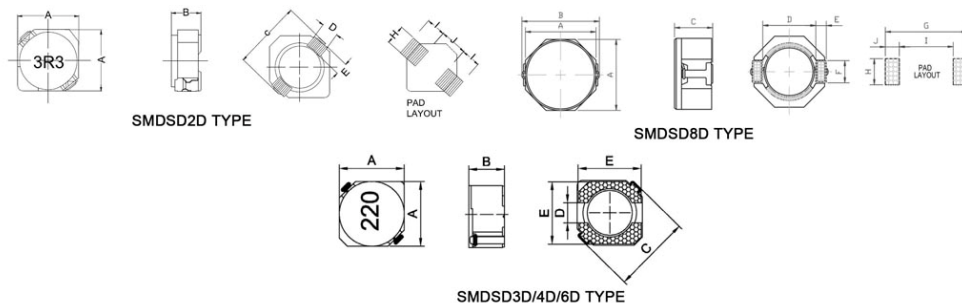
变压器 DSC,DVC,MP3,PDA 等产品

### 测试设备:

L: HP4284A precision LCR meter

DCR: CHEN HWA 502BC OHM METER

### 图示和尺寸: (单位 mm)



| P/N       | A         | B (MAX) | C (MAX) | D   | E   | H   | I    | J   |
|-----------|-----------|---------|---------|-----|-----|-----|------|-----|
| SMDSD2D09 | 3.3 (MAX) | 1.1     | 4.5     | 1.0 | 0.7 | 1.3 | 1.3  | 1.7 |
| SMDSD2D11 | 3.3 (MAX) | 1.3     | 4.5     | 1.0 | 0.7 | 1.3 | 1.3  | 1.7 |
| SMDSD2D14 | 3.3 (MAX) | 1.6     | 4.5     | 1.0 | 0.7 | 1.3 | 1.3  | 1.7 |
| SMDSD2D18 | 3.3 (MAX) | 2.0     | 4.5     | 1.0 | 0.7 | 1.3 | 1.3  | 1.7 |
| SMDSD3D11 | 4.0 (MAX) | 1.4     | 5.5     | 1.2 | 3.7 | 4.5 | 1.5  | 1.2 |
| SMDSD3D14 | 4.0 (MAX) | 1.7     | 5.5     | 1.2 | 3.7 | 4.5 | 1.5  | 1.2 |
| SMDSD3D16 | 4.0 (MAX) | 2.0     | 5.5     | 1.2 | 3.7 | 4.5 | 1.5  | 1.2 |
| SMDSD3D28 | 4.0 (MAX) | 3.1     | 5.5     | 1.2 | 3.7 | 4.5 | 1.5  | 1.2 |
| SMDSD4D18 | 4.7±0.3   | 2.0     | 6.9     | 1.5 | 4.5 | 5.3 | 1.9  | 1.5 |
| SMDSD4D28 | 4.7±0.3   | 3.0     | 6.9     | 1.5 | 4.5 | 5.3 | 1.9  | 1.5 |
| SMDSD5D18 | 5.7±0.3   | 2.0     | 8.2     | 2.0 | 5.5 | 6.3 | 2.15 | 2.0 |
| SMDSD5D28 | 5.7±0.3   | 3.0     | 8.2     | 2.0 | 5.5 | 6.3 | 2.15 | 2.0 |
| SMDSD6D28 | 6.7±0.3   | 3.0     | 9.5     | 2.0 | 6.5 | 7.3 | 2.65 | 2.0 |
| SMDSD6D38 | 6.7±0.3   | 4.0     | 9.5     | 2.0 | 6.5 | 7.3 | 2.65 | 2.0 |
| SMDSD8D28 | 8.3       | 10.8    | 3.1     | 6.3 | 1.2 | 2.8 | 6.1  | 2.0 |
| SMDSD8D38 | 8.3       | 10.8    | 4.5     | 6.3 | 1.2 | 2.8 | 6.1  | 2.0 |

## SMSD 系列电气特性参数

| 品号   | 电感量 (uH) | 直流电阻 (mOHM)MAX |      |      |      | 额定电流 (A) MAX |      |      |      |
|------|----------|----------------|------|------|------|--------------|------|------|------|
|      |          | 2D09           | 2D11 | 2D14 | 2D18 | 2D09         | 2D11 | 2D14 | 2D18 |
| 1R2N | 1.2      | 100            |      |      |      | 0.80         |      |      |      |
| 1R5N | 1.5      | 110            | 68   | 63   |      | 0.73         | 0.9  | 1.80 |      |
| 1R8N | 1.8      | 132            |      | 75   |      | 0.65         |      | 1.65 |      |
| 2R2N | 2.2      | 144            | 98   | 94   | 41   | 0.60         | 0.78 | 1.50 | 0.85 |
| 2R7N | 2.7      | 150            |      | 106  |      | 0.53         |      | 1.35 |      |
| 3R3N | 3.3      | 194            | 132  | 125  | 54   | 0.47         | 0.6  | 1.20 | 0.75 |
| 3R9N | 3.9      | 225            |      | 138  |      | 0.45         |      | 1.10 |      |
| 4R7N | 4.7      | 287            | 240  | 185  | 78   | 0.41         | 0.5  | 1.00 | 0.63 |
| 5R6N | 5.6      | 325            |      | 220  |      | 0.37         |      | 0.95 |      |
| 6R8N | 6.8      | 425            | 360  | 250  | 115  | 0.33         | 0.44 | 0.85 | 0.52 |
| 8R2N | 8.2      | 475            |      | 281  |      | 0.30         |      | 0.80 |      |
| 100N | 10       | 538            | 400  | 318  | 180  | 0.28         | 0.35 | 0.65 | 0.43 |
| 120N | 12       |                |      | 438  |      |              |      |      |      |
| 150N | 15       |                |      |      | 220  |              |      | 0.62 | 0.35 |
| 220N | 22       |                |      |      | 363  |              |      |      | 0.30 |
| 330N | 33       |                |      |      | 516  |              |      |      | 0.24 |
| 470N | 47       |                |      |      | 750  |              |      |      | 0.20 |

Measuring Freq.: 100KHz 0.1V; N:±30%

| 品号   | 电感量 (uH) | 直流电阻 (mOHM)MAX |      |      |      | 额定电流 (A) MAX |      |      |      |
|------|----------|----------------|------|------|------|--------------|------|------|------|
|      |          | 3D11           | 3D14 | 3D16 | 3D28 | 3D11         | 3D14 | 3D16 | 3D28 |
| 1R5N | 1.5      |                | 76   | 52   |      |              | 1.85 | 1.55 |      |
| 2R2N | 2.2      |                |      | 72   |      |              |      | 1.20 |      |
| 2R4N | 2.4      |                | 129  |      |      |              | 1.32 |      |      |
| 2R7N | 2.7      | 105            |      |      |      | 0.53         | 1.25 |      |      |
| 3R2N | 3.2      |                | 139  |      |      |              |      |      |      |
| 3R3N | 3.3      |                |      | 85   | 72.1 |              |      | 1.10 | 2.0  |
| 4R7N | 4.7      | 156            | 214  | 105  | 88.3 | 0.40         | 1.04 | 0.90 | 1.65 |
| 6R8N | 6.8      | 225            | 290  | 170  | 119  | 0.34         | 0.84 | 0.73 | 1.24 |
| 8R2N | 8.2      | 294            |      |      |      | 0.32         |      |      |      |
| 100N | 10       | 338            | 440  | 210  | 145  | 0.28         | 0.90 | 0.55 | 1.05 |
| 120N | 12       | 418            |      |      |      | 0.25         |      |      |      |
| 150N | 15       | 550            | 650  | 295  | 213  | 0.23         | 0.50 | 0.45 | 0.90 |
| 180N | 18       | 626            |      |      |      | 0.21         |      |      |      |
| 220N | 22       | 731            | 830  | 430  | 335  | 0.19         | 0.48 | 0.40 | 0.76 |
| 330N | 33       | 1108           |      | 675  | 481  | 0.17         |      | 0.32 | 0.58 |
| 390N | 39       | 1390           |      |      |      | 0.15         |      |      |      |
| 470N | 47       |                |      |      | 599  | 0.14         |      |      | 0.48 |

Measuring Freq.: 100KHz 0.1V; N:±30%

## SMSD 系列电气特性参数

| 品号   | 电感量(uH) | 直流电阻 (mOHM)MAX |       |      |      |      |      | 额定电流 (A) MAX |      |      |      |      |      |
|------|---------|----------------|-------|------|------|------|------|--------------|------|------|------|------|------|
|      |         | 4D18           | 4D28  | 5D18 | 5D28 | 6D28 | 6D38 | 4D18         | 4D28 | 5D18 | 5D28 | 6D28 | 6D38 |
| 1R0N | 1.0     | 45             |       |      |      |      |      | 1.72         |      |      |      |      |      |
| 2R2N | 2.2     | 75             | 31.3  |      |      |      |      | 1.32         | 2.04 |      |      |      |      |
| 2R7N | 2.7     | 105            | 43.3  |      |      |      |      | 1.28         | 1.60 |      |      |      |      |
| 3R3N | 3.3     | 110            | 49.2  |      |      |      |      | 1.04         | 1.57 |      |      |      |      |
| 3R9N | 3.9     | 155            | 64.8  |      |      |      |      | 0.88         | 1.44 |      |      |      |      |
| 4R7N | 4.7     | 162            | 72.0  |      |      |      |      | 0.84         | 1.32 |      |      |      |      |
| 5R6N | 5.6     | 170            | 100.9 |      |      |      |      | 0.80         | 1.17 |      |      |      |      |
| 6R8N | 6.8     | 200            | 108.9 |      |      |      |      | 0.76         | 1.12 |      |      |      |      |
| 8R2N | 8.2     | 245            | 117.5 |      |      |      |      | 0.68         | 1.04 |      |      |      |      |
| 100N | 10      | 200            | 128.3 | 124  | 65   | 65   | 38   | 0.61         | 1.0  | 1.20 | 1.30 | 1.70 | 2.00 |
| 120N | 12      | 210            | 131.6 | 153  | 76   | 70   | 53   | 0.56         | 0.84 | 1.10 | 1.20 | 1.55 | 1.70 |
| 150N | 15      | 240            | 149.0 | 196  | 103  | 84   | 57   | 0.50         | 0.76 | 0.97 | 1.10 | 1.40 | 1.60 |
| 180N | 18      | 338            | 166.0 | 210  | 110  | 95   | 92   | 0.46         | 0.72 | 0.85 | 1.00 | 1.32 | 1.50 |
| 220N | 22      | 397            | 235.0 | 290  | 122  | 128  | 96   | 0.41         | 0.70 | 0.80 | 0.90 | 1.20 | 1.30 |
| 270N | 27      | 441            | 261.0 | 330  | 175  | 142  | 109  | 0.35         | 0.58 | 0.75 | 0.85 | 1.05 | 1.20 |
| 330N | 33      | 694            | 378.0 | 386  | 189  | 165  | 124  | 0.32         | 0.56 | 0.65 | 0.75 | 0.97 | 1.10 |
| 390N | 39      | 709            | 383.7 | 520  | 212  | 210  | 138  | 0.30         | 0.50 | 0.57 | 0.70 | 0.86 | 1.00 |
| 470N | 47      |                | 587.0 | 595  | 260  | 238  | 155  |              | 0.48 | 0.54 | 0.62 | 0.80 | 0.95 |
| 560N | 56      |                | 624.5 | 665  | 305  | 277  | 202  |              | 0.41 | 0.50 | 0.58 | 0.73 | 0.85 |
| 680N | 68      |                | 699.0 | 840  | 355  | 304  | 234  |              | 0.35 | 0.43 | 0.52 | 0.65 | 0.75 |
| 820N | 82      |                | 914.8 | 978  | 463  | 390  | 324  |              | 0.32 | 0.41 |      | 0.60 | 0.70 |
| 101N | 100     |                | 1020  | 1200 | 520  | 535  | 358  |              | 0.29 | 0.36 | 0.42 | 0.54 | 0.65 |
| 121N | 120     |                | 1270  |      |      |      |      |              | 0.27 |      |      |      |      |
| 151N | 150     |                | 1350  |      |      |      |      |              | 0.24 |      |      |      |      |
| 181N | 180     |                | 1540  |      |      |      |      |              | 0.22 |      |      |      |      |

Measuring Freq.: 4D18/4D28: 100KHz 0.1V; 5D18/5D28/6D28/6D38: 10KHz 0.1V ;N:±30%

| 品号   | 电感量 (uH) | 直流电阻 (mOHM)MAX |      | 额定电流 (A) MAX |      |
|------|----------|----------------|------|--------------|------|
|      |          | 8D28           | 8D38 | 8D28         | 8D38 |
| 3R3N | 3.3      | 28             | 17.0 | 4.20         | 5.0  |
| 3R9N | 3.9      | 31.0           | 19.0 | 4.00         | 4.5  |
| 4R7N | 4.7      | 33.8           | 22.0 | 3.70         | 4.1  |
| 6R8N | 6.8      | 58.0           | 30.0 | 3.20         | 3.5  |
| 100N | 10       | 71             | 36.0 | 2.35         | 3.2  |
| 150N | 15       | 91             | 53.0 | 1.85         | 2.3  |
| 220N | 22       | 135            | 75.0 | 1.45         | 1.8  |
| 330N | 33       | 208            | 125  | 1.30         | 1.4  |
| 470N | 47       | 273            | 180  | 1.00         | 1.3  |
| 680N | 68       | 403            | 240  | 0.90         | 1.0  |
| 101N | 100      | 533            | 360  | 0.75         | 0.8  |
| 151N | 150      | 820            |      | 0.65         |      |
| 181N | 180      | 880            |      | 0.55         |      |
| 221N | 220      | 1120           |      | 0.50         |      |

Measuring Freq.: 100KHz 1.0V; N:±30%