



Features (特长)

- Magnetically shielded construction
(闭磁路构造设计)
- Compact and thin (轻便薄小)
- Put the electrode with ferrite core directly, a small surface area allow a high mounting density.
(直接电极设计、降低零件高度)

Applications (用途)

- VTR, OA equipment, LCD television set, Notebook, portable communication equipments, DC/DC converters, etc..
(录放机、OA 仪器、液晶电视、笔记型计算机、小型通信机器、直流转换器等)

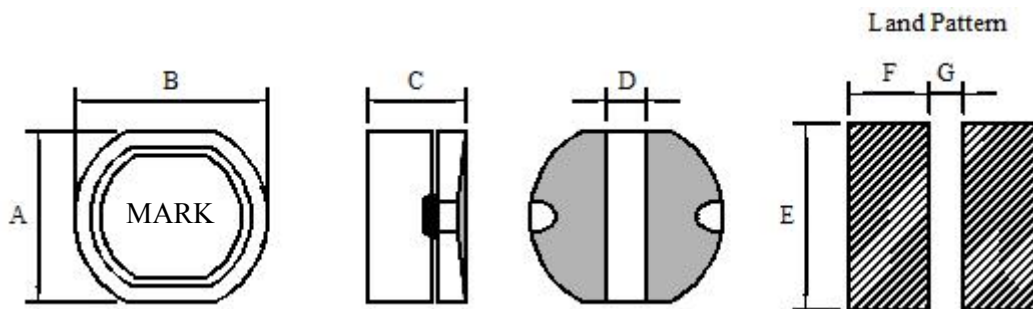
Product Identification (产品识别)

SDR63B — — — (Ex. SDR63B-100M)

1 2 3

1. SMT Shielded Power Inductors (闭磁式功率电感)
(SDR63B, SDR74B, SDR105B)
2. Inductance (电感值)
3. Tolerance (误差值) (参照表 K:10%, L:15%, M:20%, N:30%)

Configurations & Dimensions (结构图及规格尺寸)



Unit In: mm

| Type (型式) | A (max) | B (max) | C (max) | D (Ref.) | E | F | G |
|-----------|---------|---------|---------|----------|------|------|------|
| SDR63B | 5.90 | 6.50 | 3.50 | 1.45 | 5.50 | 2.25 | 1.70 |
| SDR74B | 7.35 | 8.15 | 4.90 | 2.10 | 7.50 | 4.00 | 2.00 |
| SDR105B | 9.40 | 10.40 | 5.50 | 2.90 | 9.50 | 5.00 | 2.50 |

♣Design as Customer' s Requested Specifications. (可依客户特殊需求设计)

| Codes | L (μ H) | Tolerance | Test Freq. (Hz) | DCR (Ω) max | | | IDC (A) max | | |
|-------|-----------------|-----------|--------------------|----------------------|-------|-------|-------------|------|------|
| | | | | 63B | 74B | 105B | 63B | 74B | 105B |
| 100 | 10.0 | M | 2.52MHz/0.5V | 0.140 | 0.070 | 0.060 | 1.00 | 1.65 | 2.06 |
| 120 | 12.0 | M | 2.52MHz/0.5V | 0.160 | 0.070 | 0.070 | 0.94 | 1.57 | 1.94 |
| 150 | 15.0 | M | 2.52MHz/0.5V | 0.180 | 0.080 | 0.070 | 0.86 | 1.39 | 1.72 |
| 180 | 18.0 | M | 2.52MHz/0.5V | 0.250 | 0.100 | 0.080 | 0.78 | 1.29 | 1.58 |
| 220 | 22.0 | M | 2.52MHz/0.5V | 0.320 | 0.130 | 0.080 | 0.76 | 1.12 | 1.42 |
| 270 | 27.0 | M | 2.52MHz/0.5V | 0.360 | 0.160 | 0.100 | 0.64 | 1.06 | 1.32 |
| 330 | 33.0 | M | 2.52MHz/0.5V | 0.410 | 0.180 | 0.110 | 0.61 | 0.97 | 1.16 |
| 390 | 39.0 | M | 2.52MHz/0.5V | 0.470 | 0.180 | 0.120 | 0.53 | 0.91 | 1.10 |
| 470 | 47.0 | M | 2.52MHz/0.5V | 0.510 | 0.270 | 0.140 | 0.50 | 0.80 | 1.00 |
| 560 | 56.0 | M | 2.52MHz/0.5V | 0.720 | 0.290 | 0.190 | 0.46 | 0.76 | 0.93 |
| 680 | 68.0 | M | 2.52MHz/0.5V | 0.820 | 0.330 | 0.210 | 0.42 | 0.68 | 0.85 |
| 820 | 82.0 | M | 2.52MHz/0.5V | - | 0.430 | 0.280 | - | 0.62 | 0.79 |
| 101 | 100.0 | M | 1KHz/0.5V | - | 0.490 | 0.340 | - | 0.55 | 0.72 |
| 121 | 120.0 | M | 1KHz/0.5V | - | 0.680 | 0.370 | - | 0.49 | 0.63 |
| 151 | 150.0 | M | 1KHz/0.5V | - | 0.940 | 0.510 | - | 0.44 | 0.55 |
| 181 | 180.0 | M | 1KHz/0.5V | - | 1.000 | 0.570 | - | 0.40 | 0.50 |
| 221 | 220.0 | M | 1KHz/0.5V | - | 1.180 | 0.780 | - | 0.36 | 0.47 |
| 271 | 270.0 | M | 1KHz/0.5V | - | 1.300 | 0.870 | - | 0.33 | 0.41 |
| 331 | 330.0 | M | 1KHz/0.5V | - | - | 1.200 | - | - | 0.37 |
| 391 | 390.0 | M | 1KHz/0.5V | - | - | 1.340 | - | - | 0.35 |
| 471 | 470.0 | M | 1KHz/0.5V | - | - | 1.500 | - | - | 0.33 |

※Operating Temp. : $-40^{\circ}\text{C} \sim +105^{\circ}\text{C}$

※Inductance drop = 10% typ. at IDC.