

绕线贴片功率电感—SP 系列

Wire Wound SMD Power Inductors—SP Series

Operating Temperature: -25°C ~ +105°C



特征

- 大功率，高饱和电流，低阻抗
- 适合表面贴装

FEATURES

- Various high power inductors are superior to be high saturation
- Suitable for surface mounting equipment

用途

- 录像机、液晶显示器、笔记本电脑、通讯、设备、办公自动化等电子设备的电源扼流

APPLICATIONS

- Power supply choke for small electrical equipments such as VTR, LCD display, Notebook, communication equipment, and so on.

产品型号

PRODUCT IDENTIFICATION

SP 3516 -□□□ M
 ① ② ③ ④

| | |
|-----------|-------------------------------|
| ① 分类 Type | |
| SP | Wire wound SMD power inductor |

| | |
|-----------------------------|------|
| ④ 电感公差 Inductance Tolerance | |
| M | ±20% |

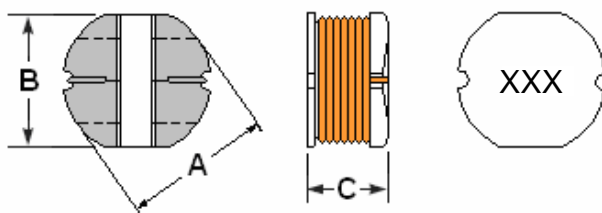
| | |
|---|--|
| ② 外形尺寸(L×H) (mm) External Dimensions(L×H) [mm] | |
| 3516~1054 | |

| | |
|-------------------------|--|
| 包装 Packing | |
| 编带 Tape Carrier Package | |

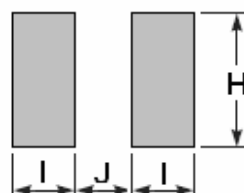
| ③ 公称电感量 Nominal Inductance | |
|----------------------------|---------------|
| Example | Nominal Value |
| 1R0 | 1.0μH |
| 100 | 10μH |

外观尺寸

SHAPE AND DIMENSIONS



Recommended Land Pattern



Construction (Unshield)



外观尺寸

SHAPE AND DIMENSIONS

Unit: mm

| Series | A | B | C | I typ. | J typ. | H typ. |
|--------|----------|----------|---------|--------|--------|--------|
| SP3516 | 3.5±0.15 | 3.0±0.15 | 1.6±0.3 | 0.8 | 1.6 | 3.5 |
| SP3521 | 3.5±0.3 | 3.0±0.3 | 2.1±0.3 | 0.8 | 1.6 | 3.5 |
| SP4520 | 4.5±0.3 | 4.0±0.3 | 2.0±0.3 | 1.9 | 1.2 | 4.5 |
| SP4532 | 4.5±0.3 | 4.0±0.3 | 3.2±0.3 | 1.9 | 1.2 | 4.5 |
| SP5820 | 5.8±0.3 | 5.2±0.3 | 2.0±0.3 | 2.2 | 1.6 | 5.4 |
| SP5830 | 5.8±0.3 | 5.2±0.3 | 3.0±0.3 | 2.2 | 1.6 | 5.4 |
| SP5845 | 5.8±0.3 | 5.2±0.3 | 4.5±0.3 | 2.2 | 1.6 | 5.4 |
| SP7835 | 7.8±0.3 | 7.0±0.3 | 3.5±0.3 | 3.0 | 2.0 | 7.5 |
| SP7850 | 7.8±0.3 | 7.0±0.3 | 5.0±0.3 | 3.0 | 2.0 | 7.5 |
| SP1040 | 10.0±0.3 | 9.0±0.3 | 4.0±0.3 | 3.75 | 2.5 | 9.5 |
| SP1054 | 10.0±0.3 | 9.0±0.3 | 5.4±0.3 | 3.75 | 2.5 | 9.5 |

规格特性

SPECIFICATIONS

SP3516 TYPE

| Part Number 型号 | Inductance 电感量 | L Test Condition L 测试条件 | Max. DC Resistance 直流电阻 | Max. Rated Current 额定电流 |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| Units 单位 | µH | Hz, V | Ω | A |
| Symbol 符号 | L | - | DCR | I _r |
| SP3516-1R0M | 1.0±20 % | 100k, 0.25V | 0.048 | 1.60 |
| SP3516-1R5M | 1.5±20 % | 100k, 0.25V | 0.100 | 1.55 |
| SP3516-2R2M | 2.2±20 % | 100k, 0.25V | 0.078 | 1.47 |
| SP3516-3R3M | 3.3±20 % | 100k, 0.25V | 0.126 | 1.34 |
| SP3516-3R9M | 3.9±20 % | 100k, 0.25V | 0.140 | 1.24 |
| SP3516-4R7M | 4.7±20 % | 100k, 0.25V | 0.158 | 1.22 |
| SP3516-5R6M | 5.6±20 % | 100k, 0.25V | 0.186 | 1.09 |
| SP3516-6R8M | 6.8±20 % | 100k, 0.25V | 0.213 | 0.96 |
| SP3516-8R2M | 8.2±20 % | 100k, 0.25V | 0.238 | 0.84 |
| SP3516-100M | 10±20% | 1k, 0.25V | 0.307 | 0.70 |
| SP3516-120M | 12±20% | 1k, 0.25V | 0.372 | 0.65 |
| SP3516-150M | 15±20% | 1k, 0.25V | 0.466 | 0.59 |
| SP3516-180M | 18±20% | 1k, 0.25V | 0.515 | 0.54 |
| SP3516-220M | 22±20% | 1k, 0.25V | 0.656 | 0.48 |
| SP3516-270M | 27±20% | 1k, 0.25V | 0.774 | 0.43 |
| SP3516-330M | 33±20% | 1k, 0.25V | 1.021 | 0.37 |
| SP3516-390M | 39±20% | 1k, 0.25V | 1.122 | 0.32 |
| SP3516-470M | 47±20% | 1k, 0.25V | 1.509 | 0.26 |
| SP3516-560M | 56±20% | 1k, 0.25V | 1.675 | 0.24 |
| SP3516-680M | 68±20% | 1k, 0.25V | 1.919 | 0.23 |
| SP3516-820M | 82±20% | 1k, 0.25V | 2.644 | 0.21 |
| SP3516-101M | 100±20% | 1k, 0.25V | 2.870 | 0.19 |
| SP3516-121M | 120±20% | 1k, 0.25V | 4.084 | 0.17 |
| SP3516-151M | 150±20% | 1k, 0.25V | 4.774 | 0.16 |
| SP3516-181M | 180±20% | 1k, 0.25V | 5.699 | 0.14 |

规格特性

SPECIFICATIONS

SP3521 TYPE

| Part Number 型号 | Inductance 电感量 | L Test Condition L 测试条件 | Max. DC Resistance 直流电阻 | Max. Rated Current 额定电流 |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| Units 单位 | μH | Hz, V | Ω | A |
| Symbol 符号 | L | - | DCR | I_r |
| SP3521-1R0M | 1.0±20% | 100k, 0.25V | 0.035 | 3.34 |
| SP3521-2R2M | 2.2±20% | 100k, 0.25V | 0.059 | 2.35 |
| SP3521-3R3M | 3.3±20% | 100k, 0.25V | 0.098 | 1.83 |
| SP3521-4R7M | 4.7±20% | 100k, 0.25V | 0.137 | 1.50 |
| SP3521-5R6M | 5.6±20% | 100k, 0.25V | 0.157 | 1.36 |
| SP3521-6R8M | 6.8±20% | 100k, 0.25V | 0.196 | 1.22 |
| SP3521-8R2M | 8.2±20% | 100k, 0.25V | 0.230 | 1.09 |
| SP3521-100M | 10±20% | 1k, 0.25V | 0.286 | 0.95 |
| SP3521-120M | 12±20% | 1k, 0.25V | 0.322 | 0.88 |
| SP3521-150M | 15±20% | 1k, 0.25V | 0.398 | 0.82 |
| SP3521-180M | 18±20% | 1k, 0.25V | 0.520 | 0.76 |
| SP3521-220M | 22±20% | 1k, 0.25V | 0.660 | 0.63 |
| SP3521-270M | 27±20% | 1k, 0.25V | 0.760 | 0.62 |
| SP3521-330M | 33±20% | 1k, 0.25V | 0.870 | 0.56 |
| SP3521-390M | 39±20% | 1k, 0.25V | 1.100 | 0.51 |
| SP3521-470M | 47±20% | 1k, 0.25V | 1.250 | 0.47 |
| SP3521-560M | 56±20% | 1k, 0.25V | 1.590 | 0.42 |
| SP3521-680M | 68±20% | 1k, 0.25V | 1.820 | 0.38 |
| SP3521-820M | 82±20% | 1k, 0.25V | 2.440 | 0.34 |
| SP3521-101M | 100±20% | 1k, 0.25V | 2.840 | 0.31 |
| SP3521-121M | 120±20% | 1k, 0.25V | 3.190 | 0.28 |
| SP3521-151M | 150±20% | 1k, 0.25V | 4.200 | 0.16 |
| SP3521-181M | 180±20% | 1k, 0.25V | 5.110 | 0.15 |
| SP3521-221M | 220±20% | 1k, 0.25V | 7.310 | 0.14 |
| SP3521-271M | 270±20% | 1k, 0.25V | 8.240 | 0.12 |
| SP3521-331M | 330±20% | 1k, 0.25V | 10.19 | 0.10 |

SP4520 TYPE

| Part Number 型号 | Inductance 电感量 | L Test Condition L 测试条件 | Max. DC Resistance 直流电阻 | Max. Rated Current 额定电流 |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| Units 单位 | μH | Hz, V | Ω | A |
| Symbol 符号 | L | - | DCR | I_r |
| SP4520-2R7M | 2.7±20% | 100k, 0.25V | 0.065 | 1.50 |
| SP4520-4R7M | 4.7±20% | 100k, 0.25V | 0.095 | 1.40 |
| SP4520-100M | 10±20% | 1k, 0.25V | 0.180 | 0.97 |
| SP4520-220M | 22±20% | 1k, 0.25V | 0.450 | 0.60 |
| SP4520-260M | 26±20% | 1k, 0.25V | 0.470 | 0.55 |
| SP4520-330M | 33±20% | 1k, 0.25V | 0.500 | 0.54 |
| SP4520-390M | 39±20% | 1k, 0.25V | 0.700 | 0.50 |
| SP4520-470M | 47±20% | 1k, 0.25V | 0.800 | 0.48 |
| SP4520-560M | 56±20% | 1k, 0.25V | 0.900 | 0.45 |
| SP4520-101M | 100±20% | 1k, 0.25V | 1.500 | 0.10 |
| SP4520-151M | 150±20% | 1k, 0.25V | 2.300 | 0.09 |

规格特性

SPECIFICATIONS

SP4532 TYPE

| Part Number 型号 | Inductance 电感量 | L Test Condition L 测试条件 | Max. DC Resistance 直流电阻 | Max. Rated Current 额定电流 |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| Units 单位 | μH | Hz, V | Ω | A |
| Symbol 符号 | L | - | DCR | I _r |
| SP4532-1R0M | 1.0±20% | 100k, 0.25V | 0.033 | 3.80 |
| SP4532-2R2M | 2.2±20% | 100k, 0.25V | 0.047 | 2.60 |
| SP4532-3R3M | 3.3±20% | 100k, 0.25V | 0.058 | 2.43 |
| SP4532-4R7M | 4.7±20% | 100k, 0.25V | 0.094 | 1.70 |
| SP4532-6R8M | 6.8±20% | 100k, 0.25V | 0.117 | 1.41 |
| SP4532-8R2M | 8.2±20% | 100k, 0.25V | 0.132 | 1.26 |
| SP4532-100M | 10±20% | 1k, 0.25V | 0.182 | 1.15 |
| SP4532-120M | 12±20% | 1k, 0.25V | 0.210 | 1.05 |
| SP4532-150M | 15±20% | 1k, 0.25V | 0.235 | 0.92 |
| SP4532-180M | 18±20% | 1k, 0.25V | 0.338 | 0.84 |
| SP4532-220M | 22±20% | 1k, 0.25V | 0.378 | 0.76 |
| SP4532-270M | 27±20% | 1k, 0.25V | 0.522 | 0.71 |
| SP4532-330M | 33±20% | 1k, 0.25V | 0.540 | 0.64 |
| SP4532-390M | 39±20% | 1k, 0.25V | 0.587 | 0.59 |
| SP4532-470M | 47±20% | 1k, 0.25V | 0.844 | 0.54 |
| SP4532-560M | 56±20% | 1k, 0.25V | 0.937 | 0.50 |
| SP4532-680M | 68±20% | 1k, 0.25V | 1.117 | 0.46 |
| SP4532-820M | 82±20% | 1k, 0.25V | 1.180 | 0.43 |
| SP4532-101M | 100±20% | 1k, 0.25V | 1.190 | 0.41 |
| SP4532-121M | 120±20% | 1k, 0.25V | 1.220 | 0.38 |
| SP4532-151M | 150±20% | 1k, 0.25V | 1.400 | 0.35 |
| SP4532-181M | 180±20% | 1k, 0.25V | 1.500 | 0.31 |
| SP4532-221M | 220±20% | 1k, 0.25V | 1.641 | 0.29 |
| SP4532-271M | 270±20% | 1k, 0.25V | 2.890 | 0.26 |
| SP4532-331M | 330±20% | 1k, 0.25V | 3.760 | 0.20 |

S5820 TYPE

| Part Number 型号 | Inductance 电感量 | L Test Condition L 测试条件 | Max. DC Resistance 直流电阻 | Max. Rated Current 额定电流 |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| Units 单位 | μH | Hz, V | Ω | A |
| Symbol 符号 | L | - | DCR | I _r |
| SP5820-1R0M | 1.0±20% | 100k, 0.25V | 0.050 | 4.20 |
| SP5820-2R2M | 2.2±20% | 100k, 0.25V | 0.080 | 3.20 |
| SP5820-3R3M | 3.3±20% | 100k, 0.25V | 0.120 | 2.40 |
| SP5820-3R9M | 3.9±20% | 100k, 0.25V | 0.140 | 2.00 |
| SP5820-4R7M | 4.7±20% | 100k, 0.25V | 0.150 | 1.80 |
| SP5820-5R6M | 5.6±20% | 100k, 0.25V | 0.160 | 1.50 |
| SP5820-6R8M | 6.8±20% | 100k, 0.25V | 0.170 | 1.40 |
| SP5820-8R2M | 8.2±20% | 100k, 0.25V | 0.200 | 1.30 |
| SP5820-100M | 10±20% | 1k, 0.25V | 0.230 | 1.10 |
| SP5820-120M | 12±20% | 1k, 0.25V | 0.250 | 1.05 |
| SP5820-150M | 15±20% | 1k, 0.25V | 0.300 | 1.00 |
| SP5820-180M | 18±20% | 1k, 0.25V | 0.350 | 0.90 |
| SP5820-220M | 22±20% | 1k, 0.25V | 0.400 | 0.85 |
| SP5820-270M | 27±20% | 1k, 0.25V | 0.500 | 0.75 |
| SP5820-330M | 33±20% | 1k, 0.25V | 0.550 | 0.70 |
| SP5820-390M | 39±20% | 1k, 0.25V | 0.650 | 0.60 |
| SP5820-470M | 47±20% | 1k, 0.25V | 0.750 | 0.55 |
| SP5820-560M | 56±20% | 1k, 0.25V | 0.950 | 0.50 |

规格特性

SPECIFICATIONS

SP5820 TYPE

| Part Number 型号 | Inductance 电感量 | L Test Condition L 测试条件 | Max. DC Resistance 直流电阻 | Max. Rated Current 额定电流 |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| Units 单位 | μH | Hz, V | Ω | A |
| Symbol 符号 | L | - | DCR | I _r |
| SP5820-680M | 68±20% | 1k, 0.25V | 1.200 | 0.45 |
| SP5820-820M | 82±20% | 1k, 0.25V | 1.400 | 0.40 |
| SP5820-101M | 100±20% | 1k, 0.25V | 1.750 | 0.35 |
| SP5820-121M | 120±20% | 1k, 0.25V | 2.000 | 0.25 |
| SP5820-151M | 150±20% | 1k, 0.25V | 2.600 | 0.22 |
| SP5820-181M | 180±20% | 1k, 0.25V | 3.700 | 0.18 |
| SP5820-221M | 220±20% | 1k, 0.25V | 4.000 | 0.19 |
| SP5820-271M | 270±20% | 1k, 0.25V | 4.200 | 0.20 |

SP5830 TYPE

| Part Number 型号 | Inductance 电感量 | L Test Condition L 测试条件 | Max. DC Resistance 直流电阻 | Max. Rated Current 额定电流 |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| Units 单位 | μH | Hz, V | Ω | A |
| Symbol 符号 | L | - | DCR | I _r |
| SP5830-1R0M | 1.0±20% | 100k, 0.25V | 0.038 | 4.50 |
| SP5830-2R2M | 2.2±20% | 100k, 0.25V | 0.045 | 3.50 |
| SP5830-3R3M | 3.3±20% | 100k, 0.25V | 0.055 | 2.80 |
| SP5830-3R9M | 3.9±20% | 100k, 0.25V | 0.064 | 2.60 |
| SP5830-4R7M | 4.7±20% | 100k, 0.25V | 0.072 | 2.50 |
| SP5830-5R6M | 5.6±20% | 100k, 0.25V | 0.084 | 2.40 |
| SP5830-6R8M | 6.8±20% | 100k, 0.25V | 0.090 | 2.20 |
| SP5830-8R2M | 8.2±20% | 100k, 0.25V | 0.100 | 2.00 |
| SP5830-100M | 10±20% | 1k, 0.25V | 0.120 | 1.80 |
| SP5830-120M | 12±20% | 1k, 0.25V | 0.130 | 1.75 |
| SP5830-150M | 15±20% | 1k, 0.25V | 0.150 | 1.70 |
| SP5830-180M | 18±20% | 1k, 0.25V | 0.180 | 1.60 |
| SP5830-220M | 22±20% | 1k, 0.25V | 0.220 | 1.50 |
| SP5830-270M | 27±20% | 1k, 0.25V | 0.240 | 1.40 |
| SP5830-330M | 33±20% | 1k, 0.25V | 0.300 | 1.10 |
| SP5830-390M | 39±20% | 1k, 0.25V | 0.400 | 1.00 |
| SP5830-470M | 47±20% | 1k, 0.25V | 0.430 | 0.90 |
| SP5830-560M | 56±20% | 1k, 0.25V | 0.500 | 0.85 |
| SP5830-680M | 68±20% | 1k, 0.25V | 0.600 | 0.80 |
| SP5830-820M | 82±20% | 1k, 0.25V | 0.800 | 0.65 |
| SP5830-101M | 100±20% | 1k, 0.25V | 0.900 | 0.60 |
| SP5830-121M | 120±20% | 1k, 0.25V | 1.000 | 0.58 |
| SP5830-151M | 150±20% | 1k, 0.25V | 1.300 | 0.43 |
| SP5830-181M | 180±20% | 1k, 0.25V | 1.500 | 0.41 |
| SP5830-221M | 220±20% | 1k, 0.25V | 2.000 | 0.38 |
| SP5830-271M | 270±20% | 1k, 0.25V | 2.500 | 0.35 |
| SP5830-331M | 330±20% | 1k, 0.25V | 3.200 | 0.28 |

规格特性

SPECIFICATIONS

SP5845 TYPE

| Part Number 型号 | Inductance 电感量 | L Test Condition L 测试条件 | Max. DC Resistance 直流电阻 | Max. Rated Current 额定电流 |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| Units 单位 | μH | Hz, V | Ω | A |
| Symbol 符号 | L | - | DCR | I _r |
| SP5845-1R0M | 1.0±20% | 100k, 0.25V | 0.020 | 5.00 |
| SP5845-1R5M | 1.5±20% | 100k, 0.25V | 0.025 | 4.80 |
| SP5845-2R2M | 2.2±20% | 100k, 0.25V | 0.017 | 4.50 |
| SP5845-2R7M | 2.7±20% | 100k, 0.25V | 0.030 | 3.50 |
| SP5845-3R3M | 3.3±20% | 100k, 0.25V | 0.034 | 3.00 |
| SP5845-4R7M | 4.7±20% | 100k, 0.25V | 0.040 | 2.80 |
| SP5845-6R8M | 6.8±20% | 100k, 0.25V | 0.080 | 2.50 |
| SP5845-100M | 10±20% | 1k, 0.25V | 0.100 | 1.44 |
| SP5845-120M | 12±20% | 1k, 0.25V | 0.120 | 1.40 |
| SP5845-150M | 15±20% | 1k, 0.25V | 0.140 | 1.30 |
| SP5845-180M | 18±20% | 1k, 0.25V | 0.150 | 1.23 |
| SP5845-220M | 22±20% | 1k, 0.25V | 0.180 | 1.11 |
| SP5845-270M | 27±20% | 1k, 0.25V | 0.200 | 0.97 |
| SP5845-330M | 33±20% | 1k, 0.25V | 0.230 | 0.88 |
| SP5845-390M | 39±20% | 1k, 0.25V | 0.320 | 0.80 |
| SP5845-470M | 47±20% | 1k, 0.25V | 0.370 | 0.72 |
| SP5845-560M | 56±20% | 1k, 0.25V | 0.420 | 0.68 |
| SP5845-680M | 68±20% | 1k, 0.25V | 0.460 | 0.61 |
| SP5845-820M | 82±20% | 1k, 0.25V | 0.600 | 0.58 |
| SP5845-101M | 100±20% | 1k, 0.25V | 0.700 | 0.52 |
| SP5845-121M | 120±20% | 1k, 0.25V | 0.930 | 0.48 |
| SP5845-151M | 150±20% | 1k, 0.25V | 1.100 | 0.40 |
| SP5845-181M | 180±20% | 1k, 0.25V | 1.380 | 0.38 |
| SP5845-221M | 220±20% | 1k, 0.25V | 1.570 | 0.35 |

SP7835 TYPE

| Part Number 型号 | Inductance 电感量 | L Test Condition L 测试条件 | Max. DC Resistance 直流电阻 | Max. Rated Current 额定电流 |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| Units 单位 | μH | Hz, V | Ω | A |
| Symbol 符号 | L | - | DCR | I _r |
| SP7835-1R0M | 1.0±20% | 100k, 0.25V | 0.018 | 7.00 |
| SP7835-1R5M | 1.5±20% | 100k, 0.25V | 0.020 | 6.00 |
| SP7835-2R2M | 2.2±20% | 100k, 0.25V | 0.023 | 5.00 |
| SP7835-3R3M | 3.3±20% | 100k, 0.25V | 0.025 | 4.00 |
| SP7835-4R7M | 4.7±20% | 100k, 0.25V | 0.039 | 3.50 |
| SP7835-6R8M | 6.8±20% | 100k, 0.25V | 0.040 | 2.80 |
| SP7835-100M | 10±20% | 1k, 0.25V | 0.080 | 1.44 |
| SP7835-120M | 12±20% | 1k, 0.25V | 0.090 | 1.39 |
| SP7835-150M | 15±20% | 1k, 0.25V | 0.100 | 1.24 |
| SP7835-180M | 18±20% | 1k, 0.25V | 0.110 | 1.12 |
| SP7835-220M | 22±20% | 1k, 0.25V | 0.130 | 1.07 |
| SP7835-270M | 27±20% | 1k, 0.25V | 0.150 | 0.94 |
| SP7835-330M | 33±20% | 1k, 0.25V | 0.170 | 0.85 |
| SP7835-390M | 39±20% | 1k, 0.25V | 0.220 | 0.74 |
| SP7835-470M | 47±20% | 1k, 0.25V | 0.250 | 0.68 |
| SP7835-560M | 56±20% | 1k, 0.25V | 0.280 | 0.64 |
| SP7835-680M | 68±20% | 1k, 0.25V | 0.330 | 0.59 |
| SP7835-820M | 82±20% | 1k, 0.25V | 0.410 | 0.54 |
| SP7835-101M | 100±20% | 1k, 0.25V | 0.480 | 0.51 |
| SP7835-121M | 120±20% | 1k, 0.25V | 0.540 | 0.49 |

规格特性

SPECIFICATIONS

SP7850 TYPE

| Part Number 型号 | Inductance 电感量 | L Test Condition L 测试条件 | Max. DC Resistance 直流电阻 | Max. Rated Current 额定电流 |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| Units 单位 | μH | Hz, V | Ω | A |
| Symbol 符号 | L | - | DCR | I _r |
| SP7850-1R0M | 1.0±20% | 100k, 0.25V | 0.013 | 7.50 |
| SP7850-1R5M | 1.5±20% | 100k, 0.25V | 0.023 | 5.30 |
| SP7850-2R2M | 2.2±20% | 100k, 0.25V | 0.028 | 4.50 |
| SP7850-3R3M | 3.3±20% | 100k, 0.25V | 0.045 | 4.00 |
| SP7850-4R7M | 4.7±20% | 100k, 0.25V | 0.058 | 3.20 |
| SP7850-6R8M | 6.8±20% | 100k, 0.25V | 0.070 | 2.80 |
| SP7850-100M | 10±20% | 1k, 0.25V | 0.070 | 2.30 |
| SP7850-120M | 12±20% | 1k, 0.25V | 0.080 | 2.00 |
| SP7850-150M | 15±20% | 1k, 0.25V | 0.090 | 1.80 |
| SP7850-180M | 18±20% | 1k, 0.25V | 0.100 | 1.60 |
| SP7850-220M | 22±20% | 1k, 0.25V | 0.110 | 1.50 |
| SP7850-270M | 27±20% | 1k, 0.25V | 0.120 | 1.30 |
| SP7850-330M | 33±20% | 1k, 0.25V | 0.130 | 1.20 |
| SP7850-390M | 39±20% | 1k, 0.25V | 0.160 | 1.10 |
| SP7850-470M | 47±20% | 1k, 0.25V | 0.180 | 1.00 |
| SP7850-560M | 56±20% | 1k, 0.25V | 0.240 | 0.94 |
| SP7850-680M | 68±20% | 1k, 0.25V | 0.280 | 0.85 |
| SP7850-820M | 82±20% | 1k, 0.25V | 0.370 | 0.78 |
| SP7850-101M | 100±20% | 1k, 0.25V | 0.430 | 0.72 |
| SP7850-121M | 120±20% | 1k, 0.25V | 0.470 | 0.66 |
| SP7850-151M | 150±20% | 1k, 0.25V | 0.640 | 0.58 |
| SP7850-181M | 180±20% | 1k, 0.25V | 0.710 | 0.51 |
| SP7850-221M | 220±20% | 1k, 0.25V | 0.960 | 0.49 |
| SP7850-271M | 270±20% | 1k, 0.25V | 1.110 | 0.42 |
| SP7850-331M | 330±20% | 1k, 0.25V | 1.260 | 0.40 |
| SP7850-391M | 390±20% | 1k, 0.25V | 1.770 | 0.36 |
| SP7850-471M | 470±20% | 1k, 0.25V | 1.960 | 0.34 |

SP1040 TYPE

| Part Number 型号 | Inductance 电感量 | L Test Condition L 测试条件 | Max. DC Resistance 直流电阻 | Max. Rated Current 额定电流 |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| Units 单位 | μH | Hz, V | Ω | A |
| Symbol 符号 | L | - | DCR | I _r |
| SP1040-1R0M | 1.0±20% | 100k, 0.25V | 0.012 | 8.70 |
| SP1040-1R5M | 1.5±20% | 100k, 0.25V | 0.016 | 6.40 |
| SP1040-2R2M | 2.2±20% | 100k, 0.25V | 0.020 | 5.40 |
| SP1040-3R3M | 3.3±20% | 100k, 0.25V | 0.028 | 2.85 |
| SP1040-4R7M | 4.7±20% | 100k, 0.25V | 0.038 | 2.75 |
| SP1040-6R8M | 6.8±20% | 100k, 0.25V | 0.042 | 2.65 |
| SP1040-100M | 10±20% | 1k, 0.25V | 0.050 | 2.38 |
| SP1040-150M | 15±20% | 1k, 0.25V | 0.070 | 1.87 |
| SP1040-180M | 18±20% | 1k, 0.25V | 0.080 | 1.73 |
| SP1040-220M | 22±20% | 1k, 0.25V | 0.090 | 1.60 |
| SP1040-270M | 27±20% | 1k, 0.25V | 0.100 | 1.44 |
| SP1040-330M | 33±20% | 1k, 0.25V | 0.120 | 1.26 |
| SP1040-390M | 39±20% | 1k, 0.25V | 0.150 | 1.20 |
| SP1040-470M | 47±20% | 1k, 0.25V | 0.170 | 1.10 |
| SP1040-560M | 56±20% | 1k, 0.25V | 0.200 | 1.01 |
| SP1040-680M | 68±20% | 1k, 0.25V | 0.220 | 0.91 |

规格特性

SPECIFICATIONS

SP1040 TYPE

| Part Number 型号 | Inductance 电感量 | L Test Condition L 测试条件 | Max. DC Resistance 直流电阻 | Max. Rated Current 额定电流 |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| Units 单位 | μH | Hz, V | Ω | A |
| Symbol 符号 | L | - | DCR | I _r |
| SP1040-820M | 82±20% | 1k, 0.25V | 0.250 | 0.85 |
| SP1040-101M | 100±20% | 1k, 0.25V | 0.340 | 0.74 |
| SP1040-121M | 120±20% | 1k, 0.25V | 0.400 | 0.69 |
| SP1040-151M | 150±20% | 1k, 0.25V | 0.540 | 0.61 |
| SP1040-181M | 180±20% | 1k, 0.25V | 0.620 | 0.56 |
| SP1040-221M | 220±20% | 1k, 0.25V | 0.720 | 0.53 |
| SP1040-271M | 270±20% | 1k, 0.25V | 0.950 | 0.45 |
| SP1040-331M | 330±20% | 1k, 0.25V | 1.100 | 0.42 |
| SP1040-391M | 390±20% | 1k, 0.25V | 1.240 | 0.38 |
| SP1040-471M | 470±20% | 1k, 0.25V | 1.530 | 0.35 |
| SP1040-561M | 560±20% | 1k, 0.25V | 1.900 | 0.32 |

SP1054 TYPE

| Part Number 型号 | Inductance 电感量 | L Test Condition L 测试条件 | Max. DC Resistance 直流电阻 | Max. Rated Current 额定电流 |
|-------------------|-------------------|----------------------------|----------------------------|----------------------------|
| Units 单位 | μH | Hz, V | Ω | A |
| Symbol 符号 | L | - | DCR | I _r |
| SP1054-1R2M | 1.2±20% | 100k, 0.25V | 0.009 | 8.63 |
| SP1054-2R2M | 2.2±20% | 100k, 0.25V | 0.016 | 7.20 |
| SP1054-3R3M | 3.3±20% | 100k, 0.25V | 0.018 | 6.50 |
| SP1054-4R7M | 4.7±20% | 100k, 0.25V | 0.020 | 5.50 |
| SP1054-6R8M | 6.8±20% | 100k, 0.25V | 0.040 | 4.50 |
| SP1054-100M | 10±20% | 1k, 0.25V | 0.060 | 2.60 |
| SP1054-150M | 15±20% | 1k, 0.25V | 0.070 | 1.72 |
| SP1054-180M | 18±20% | 1k, 0.25V | 0.080 | 1.58 |
| SP1054-220M | 22±20% | 1k, 0.25V | 0.090 | 1.42 |
| SP1054-270M | 27±20% | 1k, 0.25V | 0.100 | 1.32 |
| SP1054-330M | 33±20% | 1k, 0.25V | 0.110 | 1.16 |
| SP1054-390M | 39±20% | 1k, 0.25V | 0.120 | 1.10 |
| SP1054-470M | 47±20% | 1k, 0.25V | 0.140 | 1.00 |
| SP1054-560M | 56±20% | 1k, 0.25V | 0.190 | 0.93 |
| SP1054-680M | 68±20% | 1k, 0.25V | 0.210 | 0.85 |
| SP1054-820M | 82±20% | 1k, 0.25V | 0.280 | 0.79 |
| SP1054-101M | 100±20% | 1k, 0.25V | 0.340 | 0.72 |
| SP1054-121M | 120±20% | 1k, 0.25V | 0.370 | 0.63 |
| SP1054-151M | 150±20% | 1k, 0.25V | 0.510 | 0.55 |
| SP1054-181M | 180±20% | 1k, 0.25V | 0.570 | 0.50 |
| SP1054-221M | 220±20% | 1k, 0.25V | 0.780 | 0.47 |
| SP1054-271M | 270±20% | 1k, 0.25V | 0.870 | 0.41 |
| SP1054-331M | 330±20% | 1k, 0.25V | 1.200 | 0.37 |
| SP1054-471M | 470±20% | 1k, 0.25V | 1.500 | 0.33 |
| SP1054-561M | 560±20% | 1k, 0.25V | 1.900 | 0.30 |
| SP1054-681M | 680±20% | 1k, 0.25V | 2.250 | 0.28 |
| SP1054-821M | 820±20% | 1k, 0.25V | 2.550 | 0.24 |

※1. All test data is referenced to 20°C ambient;

※2. The maximum rated current is a DC current which causes initial inductance to decrease by 25% or temperature to rise by 40°C, which is smaller(at ambient reference temperature: 20°C)