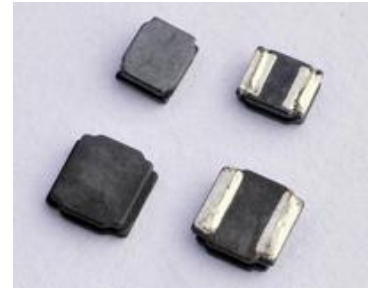




SMD Power Inductor SCNR Series 贴片功率电感 SCNR 系列

Features 特点

- Low profile 超薄
- Magnetically shielded structure that ensures the high-density mounting configurations
高密度封装的磁屏蔽结构
- Flat bottom surface ensures secure, reliable mounting.
平坦焊面便于安装



Applications 应用

- Ideally used in Portable telephones, PDA, DSC, DC-DC Converters, etc.
用于手机、掌上电脑、数字信号控制器，DC-DC转换等。

Product Identification 产品标识

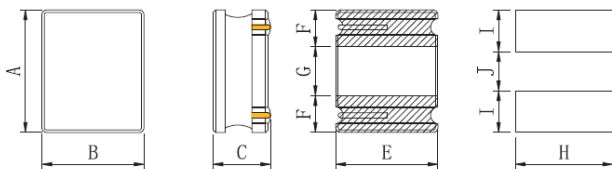
SCNR 3015 - 3R3 M T

- ① ② ③ ④ ⑤

- ① Series name 系列名称
- ② Product dimensions 产品尺寸: 【3015=3.0*3.0*1.5mm】
- ③ Inductance Value 电感量: 【R68=0.68 μ H 3R3=3.3 μ H 100=10 μ H】
- ④ Inductance Tolerance 电感量公差: 【M=±20%; N=±30%】
- ⑤ Packing Style: 【T: Taping 编带盘装 B: Bulk 散装】

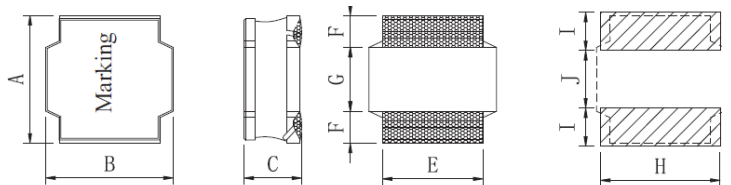
Shapes And Dimensions 外形及尺寸示意图

SCNR2512



推荐焊盘

SCNR30-80



推荐焊盘

| Series | Dimensions(mm) | | | | | | | | |
|----------|----------------|---------|--------|--------|--------|--------|--------|--------|--------|
| | A | B | C Max. | E Ref. | F Ref. | G Ref. | H Ref. | I Ref. | J Ref. |
| SCNR2512 | 2.5±0.2 | 2.1±0.2 | 1.25 | 2.1 | 0.85 | 0.8 | 2.1 | 0.85 | 0.80 |
| SCNR3015 | 3.0±0.2 | 3.0±0.2 | 1.5 | 2.8 | 0.85 | 1.3 | 3.0 | 0.90 | 1.3 |
| SCNR4018 | 4.0±0.2 | 4.0±0.2 | 1.8 | 3.4 | 1.2 | 1.6 | 3.6 | 1.4 | 1.6 |
| SCNR4026 | 4.0±0.2 | 4.0±0.2 | 2.6 | 3.4 | 1.2 | 1.6 | 3.6 | 1.4 | 1.6 |
| SCNR5020 | 5.0±0.2 | 5.0±0.2 | 2.1 | 4.0 | 1.2 | 2.6 | 4.4 | 1.6 | 2.4 |
| SCNR5045 | 5.0±0.2 | 5.0±0.2 | 4.5 | 4.0 | 1.2 | 2.6 | 4.4 | 1.6 | 2.4 |
| SCNR6020 | 6.0±0.2 | 6.0±0.2 | 2.0 | 5.0 | 1.5 | 3.0 | 5.7 | 1.9 | 2.6 |
| SCNR6028 | 6.0±0.2 | 6.0±0.2 | 2.8 | 5.0 | 1.5 | 3.0 | 5.7 | 1.9 | 2.6 |
| SCNR6045 | 6.0±0.2 | 6.0±0.2 | 4.5 | 5.0 | 1.5 | 3.0 | 5.7 | 1.9 | 2.6 |
| SCNR8040 | 8.0±0.2 | 8.0±0.2 | 4.3 | 6.4 | 2.0 | 4.0 | 7.5 | 2.4 | 3.6 |

**Electrical Characteristics** 电气性能

SCNR2512 Series

| Part Number | L(μ H) | Tolerance($\pm\%$) | Test Freq.(MHz) | RDC (Ω) Max. | Isat(A) | Irms(A) |
|----------------|-------------|----------------------|-----------------|-----------------------|---------|---------|
| SCNR2512-R47NT | 0.47 | 30 | 1 | 0.061 | 3.82 | 2.15 |
| SCNR2512-R68NT | 0.68 | 30 | 1 | 0.074 | 3.28 | 1.96 |
| SCNR2512-1R0NT | 1.0 | 30 | 1 | 0.090 | 2.59 | 1.93 |
| SCNR2512-1R5NT | 1.5 | 30 | 1 | 0.147 | 2.24 | 1.40 |
| SCNR2512-2R2MT | 2.2 | 20 | 1 | 0.216 | 1.85 | 1.15 |
| SCNR2512-3R3MT | 3.3 | 20 | 1 | 0.264 | 1.61 | 1.04 |
| SCNR2512-4R7MT | 4.7 | 20 | 1 | 0.377 | 1.12 | 0.84 |
| SCNR2512-5R6MT | 5.6 | 20 | 1 | 0.538 | 1.12 | 0.73 |
| SCNR2512-6R8MT | 6.8 | 20 | 1 | 0.581 | 0.98 | 0.69 |
| SCNR2512-8R2MT | 8.2 | 20 | 1 | 0.658 | 0.98 | 0.65 |
| SCNR2512-100MT | 10 | 20 | 1 | 0.690 | 0.79 | 0.62 |
| SCNR2512-150MT | 15 | 20 | 1 | 1.591 | 0.68 | 0.42 |
| SCNR2512-220MT | 22 | 20 | 1 | 1.976 | 0.53 | 0.38 |

SCNR3015 Series

| Part Number | L(μ H) | Tolerance($\pm\%$) | Test Freq.(KHz) | RDC (Ω) | Isat(A) | Irms(A) |
|----------------|-------------|----------------------|-----------------|------------------|---------|---------|
| SCNR3015-1R0NT | 1.0 | 30 | 100 | 0.030 \pm 20% | 2.32 | 2.35 |
| SCNR3015-1R5NT | 1.5 | 30 | 100 | 0.040 \pm 20% | 2.30 | 1.70 |
| SCNR3015-2R2NT | 2.2 | 30 | 100 | 0.060 \pm 20% | 1.60 | 1.60 |
| SCNR3015-3R3MT | 3.3 | 20 | 100 | 0.080 \pm 20% | 1.32 | 1.36 |
| SCNR3015-4R7MT | 4.7 | 20 | 100 | 0.120 \pm 20% | 1.10 | 1.09 |
| SCNR3015-5R6MT | 5.6 | 20 | 100 | 0.140 \pm 20% | 0.95 | 0.86 |
| SCNR3015-6R8MT | 6.8 | 20 | 100 | 0.160 \pm 20% | 0.87 | 0.85 |
| SCNR3015-8R2MT | 8.2 | 20 | 100 | 0.220 \pm 20% | 0.80 | 0.80 |
| SCNR3015-100MT | 10 | 20 | 100 | 0.230 \pm 20% | 0.72 | 0.77 |
| SCNR3015-150MT | 15 | 20 | 100 | 0.360 \pm 20% | 0.66 | 0.65 |
| SCNR3015-220MT | 22 | 20 | 100 | 0.520 \pm 20% | 0.52 | 0.57 |
| SCNR3015-330MT | 33 | 20 | 100 | 0.840 \pm 20% | 0.44 | 0.43 |
| SCNR3015-470MT | 47 | 20 | 100 | 1.340 \pm 20% | 0.35 | 0.35 |

**Electrical Characteristics**电气性能

SCNR4018 Series

| Part Number | L(μ H) | Tolerance(\pm %) | Test Freq.(KHz) | RDC (Ω) | Isat(A) | Irms(A) |
|----------------|-------------|---------------------|-----------------|------------------|---------|---------|
| SCNR4018-1R0NT | 1.0 | 30 | 100 | 0.030 \pm 30% | 4.30 | 2.00 |
| SCNR4018-1R5NT | 1.5 | 30 | 100 | 0.040 \pm 30% | 3.35 | 1.80 |
| SCNR4018-2R2NT | 2.2 | 30 | 100 | 0.045 \pm 30% | 2.70 | 1.65 |
| SCNR4018-2R7MT | 2.7 | 20 | 100 | 0.058 \pm 30% | 2.30 | 1.45 |
| SCNR4018-3R3MT | 3.3 | 20 | 100 | 0.070 \pm 30% | 2.00 | 1.23 |
| SCNR4018-4R7MT | 4.7 | 20 | 100 | 0.090 \pm 30% | 1.70 | 1.20 |
| SCNR4018-6R8MT | 6.8 | 20 | 100 | 0.110 \pm 30% | 1.45 | 1.06 |
| SCNR4018-8R2MT | 8.2 | 20 | 100 | 0.160 \pm 30% | 1.35 | 0.90 |
| SCNR4018-100MT | 10 | 20 | 100 | 0.180 \pm 30% | 1.30 | 0.84 |
| SCNR4018-150MT | 15 | 20 | 100 | 0.250 \pm 30% | 0.94 | 0.65 |
| SCNR4018-220MT | 22 | 20 | 100 | 0.360 \pm 30% | 0.80 | 0.59 |
| SCNR4018-330MT | 33 | 20 | 100 | 0.530 \pm 30% | 0.65 | 0.49 |
| SCNR4018-470MT | 47 | 20 | 100 | 0.650 \pm 30% | 0.57 | 0.42 |
| SCNR4018-560MT | 56 | 20 | 100 | 0.900 \pm 30% | 0.51 | 0.38 |
| SCNR4018-680MT | 68 | 20 | 100 | 1.000 \pm 30% | 0.47 | 0.32 |
| SCNR4018-820MT | 82 | 20 | 100 | 1.300 \pm 30% | 0.43 | 0.28 |
| SCNR4018-101MT | 100 | 20 | 100 | 1.500 \pm 30% | 0.40 | 0.25 |

SCNR4026 Series

| Part Number | L(μ H) | Tolerance(\pm %) | Test Freq.(KHz) | RDC (Ω) | Isat(A) | Irms(A) |
|----------------|-------------|---------------------|-----------------|------------------|---------|---------|
| SCNR4026-1R0NT | 1.0 | 30 | 100 | 0.017 \pm 30% | 3.10 | 2.80 |
| SCNR4026-1R5NT | 1.5 | 30 | 100 | 0.022 \pm 30% | 2.40 | 2.30 |
| SCNR4026-2R2NT | 2.2 | 30 | 100 | 0.030 \pm 30% | 2.10 | 2.00 |
| SCNR4026-3R3MT | 3.3 | 20 | 100 | 0.037 \pm 30% | 1.80 | 1.70 |
| SCNR4026-4R7MT | 4.7 | 20 | 100 | 0.055 \pm 30% | 1.45 | 1.60 |
| SCNR4026-6R8MT | 6.8 | 20 | 100 | 0.065 \pm 30% | 1.30 | 1.50 |
| SCNR4026-100MT | 10 | 20 | 100 | 0.085 \pm 30% | 1.00 | 1.30 |
| SCNR4026-150MT | 15 | 20 | 100 | 0.110 \pm 30% | 0.90 | 1.10 |
| SCNR4026-220MT | 22 | 20 | 100 | 0.200 \pm 30% | 0.60 | 0.90 |
| SCNR4026-330MT | 33 | 20 | 100 | 0.270 \pm 30% | 0.54 | 0.70 |
| SCNR4026-470MT | 47 | 20 | 100 | 0.400 \pm 30% | 0.40 | 0.65 |

**Electrical Characteristics**电气性能

SCNR5020 Series

| Part Number | L(μ H) | Tolerance(\pm %) | Test Freq.(KHz) | RDC (Ω) | Isat(A) | Irms(A) |
|----------------|-------------|---------------------|-----------------|------------------|---------|---------|
| SCNR5020-R47NT | 0.47 | 30 | 100 | 0.016 \pm 30% | 6.15 | 5.00 |
| SCNR5020-R75NT | 0.75 | 30 | 100 | 0.018 \pm 30% | 5.50 | 4.00 |
| SCNR5020-1R0NT | 1.0 | 30 | 100 | 0.020 \pm 30% | 4.40 | 3.80 |
| SCNR5020-1R5NT | 1.5 | 30 | 100 | 0.028 \pm 30% | 4.10 | 3.20 |
| SCNR5020-2R2NT | 2.2 | 30 | 100 | 0.033 \pm 30% | 3.20 | 2.90 |
| SCNR5020-3R3MT | 3.3 | 20 | 100 | 0.043 \pm 30% | 2.55 | 2.50 |
| SCNR5020-4R7MT | 4.7 | 20 | 100 | 0.058 \pm 30% | 2.50 | 2.20 |
| SCNR5020-5R6MT | 5.6 | 20 | 100 | 0.068 \pm 30% | 2.30 | 2.05 |
| SCNR5020-6R8MT | 6.8 | 20 | 100 | 0.075 \pm 30% | 2.05 | 1.80 |
| SCNR5020-8R2MT | 8.2 | 20 | 100 | 0.096 \pm 30% | 1.85 | 1.65 |
| SCNR5020-100MT | 10 | 20 | 100 | 0.120 \pm 30% | 1.70 | 1.55 |
| SCNR5020-150MT | 15 | 20 | 100 | 0.165 \pm 30% | 1.35 | 1.25 |
| SCNR5020-180MT | 18 | 20 | 100 | 0.200 \pm 30% | 1.25 | 1.15 |
| SCNR5020-220MT | 22 | 20 | 100 | 0.220 \pm 30% | 1.15 | 1.10 |
| SCNR5020-330MT | 33 | 20 | 100 | 0.350 \pm 30% | 0.92 | 0.90 |
| SCNR5020-390MT | 39 | 20 | 100 | 0.410 \pm 30% | 0.80 | 0.75 |
| SCNR5020-470MT | 47 | 20 | 100 | 0.520 \pm 30% | 0.77 | 0.77 |
| SCNR5020-560MT | 56 | 20 | 100 | 0.600 \pm 30% | 0.77 | 0.70 |
| SCNR5020-680MT | 68 | 20 | 100 | 0.680 \pm 30% | 0.65 | 0.64 |
| SCNR5020-820MT | 82 | 20 | 100 | 0.860 \pm 30% | 0.55 | 0.55 |
| SCNR5020-101MT | 100 | 20 | 100 | 1.100 \pm 30% | 0.53 | 0.53 |

SCNR5045 Series

| Part Number | L(μ H) | Tolerance(\pm %) | Test Freq.(KHz) | RDC (Ω) | Isat(A) | Irms(A) |
|----------------|-------------|---------------------|-----------------|------------------|---------|---------|
| SCNR5045-1R0NT | 1.0 | 30 | 100 | 0.012 \pm 30% | 7.35 | 4.90 |
| SCNR5045-1R5NT | 1.5 | 30 | 100 | 0.014 \pm 30% | 6.00 | 4.50 |
| SCNR5045-2R2NT | 2.2 | 30 | 100 | 0.018 \pm 30% | 4.90 | 3.80 |
| SCNR5045-3R3NT | 3.3 | 30 | 100 | 0.024 \pm 30% | 3.95 | 3.40 |
| SCNR5045-4R7NT | 4.7 | 30 | 100 | 0.030 \pm 30% | 3.50 | 3.00 |
| SCNR5045-5R6MT | 5.6 | 20 | 100 | 0.040 \pm 30% | 3.00 | 2.80 |
| SCNR5045-6R8MT | 6.8 | 20 | 100 | 0.045 \pm 30% | 2.90 | 2.50 |

**Electrical Characteristics**电气性能

SCNR5045 Series

| Part Number | L(μ H) | Tolerance($\pm\%$) | Test Freq.(KHz) | RDC (Ω) | Isat(A) | Irms(A) |
|----------------|-------------|----------------------|-----------------|------------------|---------|---------|
| SCNR5045-8R2MT | 8.2 | 20 | 100 | 0.055 \pm 30% | 2.70 | 2.30 |
| SCNR5045-100MT | 10 | 20 | 100 | 0.066 \pm 30% | 2.35 | 2.10 |
| SCNR5045-150MT | 15 | 20 | 100 | 0.090 \pm 30% | 2.00 | 2.00 |
| SCNR5045-220MT | 22 | 20 | 100 | 0.130 \pm 30% | 1.60 | 1.50 |
| SCNR5045-330MT | 33 | 20 | 100 | 0.200 \pm 30% | 1.30 | 1.20 |
| SCNR5045-390MT | 39 | 20 | 100 | 0.230 \pm 30% | 1.20 | 1.10 |
| SCNR5045-470MT | 47 | 20 | 100 | 0.300 \pm 30% | 1.00 | 1.00 |
| SCNR5045-560MT | 56 | 20 | 100 | 0.330 \pm 30% | 0.95 | 0.85 |
| SCNR5045-680MT | 68 | 20 | 100 | 0.420 \pm 30% | 0.90 | 0.80 |
| SCNR5045-820MT | 82 | 20 | 100 | 0.500 \pm 30% | 0.80 | 0.75 |
| SCNR5045-101MT | 100 | 20 | 1 | 0.620 \pm 30% | 0.75 | 0.70 |
| SCNR5045-151MT | 150 | 20 | 1 | 0.850 \pm 30% | 0.65 | 0.60 |
| SCNR5045-181MT | 180 | 20 | 1 | 1.150 \pm 30% | 0.50 | 0.43 |
| SCNR5045-221MT | 220 | 20 | 1 | 1.200 \pm 30% | 0.46 | 0.42 |
| SCNR5045-331MT | 330 | 20 | 1 | 1.750 \pm 30% | 0.40 | 0.36 |
| SCNR5045-391MT | 390 | 20 | 1 | 2.500 \pm 30% | 0.35 | 0.32 |
| SCNR5045-471MT | 470 | 20 | 1 | 2.850 \pm 30% | 0.32 | 0.30 |
| SCNR5045-561MT | 560 | 20 | 1 | 3.200 \pm 30% | 0.30 | 0.28 |
| SCNR5045-681MT | 680 | 20 | 1 | 3.750 \pm 30% | 0.27 | 0.25 |
| SCNR5045-821MT | 820 | 20 | 1 | 5.700 \pm 30% | 0.24 | 0.22 |
| SCNR5045-102MT | 1000 | 20 | 1 | 6.500 \pm 30% | 0.21 | 0.19 |

SCNR6020 Series

| Part Number | L(μ H) | Tolerance($\pm\%$) | Test Freq.(KHz) | RDC (Ω) | Isat(A) | Irms(A) |
|----------------|-------------|----------------------|-----------------|------------------|---------|---------|
| SCNR6020-1R0NT | 1.0 | 30 | 100 | 0.020 \pm 30% | 4.15 | 3.50 |
| SCNR6020-1R5NT | 1.5 | 30 | 100 | 0.022 \pm 30% | 4.00 | 3.20 |
| SCNR6020-2R2NT | 2.2 | 30 | 100 | 0.028 \pm 30% | 3.75 | 2.75 |
| SCNR6020-3R3MT | 3.3 | 20 | 100 | 0.035 \pm 30% | 3.15 | 2.60 |
| SCNR6020-4R7MT | 4.7 | 20 | 100 | 0.058 \pm 30% | 3.00 | 2.00 |
| SCNR6020-6R8MT | 6.8 | 20 | 100 | 0.079 \pm 30% | 2.20 | 1.80 |
| SCNR6020-100MT | 10 | 20 | 100 | 0.105 \pm 30% | 1.75 | 1.40 |
| SCNR6020-150MT | 15 | 20 | 100 | 0.145 \pm 30% | 1.20 | 1.20 |
| SCNR6020-220MT | 22 | 20 | 100 | 0.204 \pm 30% | 1.05 | 1.00 |
| SCNR6020-330MT | 33 | 20 | 100 | 0.300 \pm 30% | 0.95 | 0.84 |
| SCNR6020-470MT | 47 | 20 | 100 | 0.430 \pm 30% | 0.70 | 0.65 |
| SCNR6020-680MT | 68 | 20 | 100 | 0.660 \pm 30% | 0.62 | 0.60 |
| SCNR6020-101MT | 100 | 20 | 100 | 1.200 \pm 30% | 0.50 | 0.45 |

**Electrical Characteristics**电气性能

SCNR6028 Series

| Part Number | L(μ H) | Tolerance(\pm %) | Test Freq.(KHz) | RDC (Ω) | Isat(A) | Irms(A) |
|----------------|-------------|---------------------|-----------------|------------------|---------|---------|
| SCNR6028-1R0NT | 1.0 | 30 | 100 | 0.014 \pm 30% | 5.75 | 5.20 |
| SCNR6028-1R5NT | 1.5 | 30 | 100 | 0.016 \pm 30% | 5.00 | 4.58 |
| SCNR6028-2R2NT | 2.2 | 30 | 100 | 0.020 \pm 30% | 5.10 | 3.75 |
| SCNR6028-3R3NT | 3.3 | 30 | 100 | 0.023 \pm 30% | 3.60 | 3.48 |
| SCNR6028-4R7NT | 4.7 | 30 | 100 | 0.031 \pm 30% | 2.70 | 3.08 |
| SCNR6028-6R8MT | 6.8 | 20 | 100 | 0.048 \pm 30% | 2.30 | 2.40 |
| SCNR6028-100MT | 10 | 20 | 100 | 0.065 \pm 30% | 1.90 | 1.95 |
| SCNR6028-150MT | 15 | 20 | 100 | 0.095 \pm 30% | 1.60 | 1.45 |
| SCNR6028-220MT | 22 | 20 | 100 | 0.135 \pm 30% | 1.30 | 1.40 |
| SCNR6028-330MT | 33 | 20 | 100 | 0.220 \pm 30% | 1.10 | 1.22 |
| SCNR6028-470MT | 47 | 20 | 100 | 0.300 \pm 30% | 0.95 | 1.06 |
| SCNR6028-680MT | 68 | 20 | 100 | 0.420 \pm 30% | 0.76 | 0.86 |
| SCNR6028-820MT | 82 | 20 | 100 | 0.520 \pm 30% | 0.64 | 0.70 |
| SCNR6028-101MT | 100 | 20 | 100 | 0.570 \pm 30% | 0.62 | 0.70 |
| SCNR6028-151MT | 150 | 20 | 100 | 0.760 \pm 30% | 0.50 | 0.50 |
| SCNR6028-221MT | 220 | 20 | 100 | 1.200 \pm 30% | 0.38 | 0.38 |
| SCNR6028-331MT | 330 | 20 | 100 | 1.800 \pm 30% | 0.32 | 0.32 |
| SCNR6028-471MT | 470 | 20 | 100 | 2.300 \pm 30% | 0.28 | 0.28 |
| SCNR6028-681MT | 680 | 20 | 100 | 4.600 \pm 30% | 0.23 | 0.23 |

SCNR6045 Series

| Part Number | L(μ H) | Tolerance(\pm %) | Test Freq.(KHz) | RDC (Ω) | Isat(A) | Irms(A) |
|----------------|-------------|---------------------|-----------------|------------------|---------|---------|
| SCNR6045-R82NT | 0.82 | 30 | 100 | 0.008 \pm 30% | 10.35 | 5.90 |
| SCNR6045-1R0NT | 1.0 | 30 | 100 | 0.014 \pm 30% | 8.50 | 5.14 |
| SCNR6045-1R3NT | 1.3 | 30 | 100 | 0.016 \pm 30% | 8.00 | 5.05 |
| SCNR6045-1R8NT | 1.8 | 30 | 100 | 0.018 \pm 30% | 7.00 | 4.95 |
| SCNR6045-2R2NT | 2.2 | 30 | 100 | 0.021 \pm 30% | 6.00 | 4.60 |
| SCNR6045-3R0MT | 3.0 | 20 | 100 | 0.024 \pm 30% | 5.00 | 3.80 |
| SCNR6045-3R3MT | 3.3 | 20 | 100 | 0.024 \pm 30% | 5.00 | 3.70 |
| SCNR6045-4R5MT | 4.5 | 20 | 100 | 0.031 \pm 30% | 4.00 | 3.30 |
| SCNR6045-4R7MT | 4.7 | 20 | 100 | 0.031 \pm 30% | 4.00 | 3.30 |
| SCNR6045-6R3MT | 6.3 | 20 | 100 | 0.035 \pm 30% | 3.80 | 3.15 |
| SCNR6045-6R8MT | 6.8 | 20 | 100 | 0.038 \pm 30% | 3.80 | 3.00 |
| SCNR6045-8R2MT | 8.2 | 20 | 100 | 0.043 \pm 30% | 3.50 | 2.70 |
| SCNR6045-100MT | 10 | 20 | 100 | 0.047 \pm 30% | 3.20 | 2.45 |
| SCNR6045-150MT | 15 | 20 | 100 | 0.077 \pm 30% | 2.50 | 2.05 |
| SCNR6045-220MT | 22 | 20 | 100 | 0.115 \pm 30% | 2.05 | 1.80 |
| SCNR6045-330MT | 33 | 20 | 100 | 0.145 \pm 30% | 1.65 | 1.45 |
| SCNR6045-390MT | 39 | 20 | 100 | 0.210 \pm 30% | 1.50 | 1.25 |
| SCNR6045-470MT | 47 | 20 | 100 | 0.220 \pm 30% | 1.40 | 1.20 |

**Electrical Characteristics** 电气性能

SCNR6045 Series

| Part Number | L(μ H) | Tolerance(\pm %) | Test Freq.(KHz) | RDC (Ω) | Isat(A) | Irms(A) |
|----------------|-------------|---------------------|-----------------|------------------|---------|---------|
| SCNR6045-560MT | 56 | 20 | 100 | 0.260 \pm 30% | 1.30 | 1.10 |
| SCNR6045-680MT | 68 | 20 | 100 | 0.330 \pm 30% | 1.20 | 1.00 |
| SCNR6045-820MT | 82 | 20 | 100 | 0.450 \pm 30% | 1.05 | 0.90 |
| SCNR6045-101MT | 100 | 20 | 100 | 0.500 \pm 30% | 0.95 | 0.80 |
| SCNR6045-151MT | 150 | 20 | 100 | 0.800 \pm 30% | 0.80 | 0.70 |
| SCNR6045-181MT | 180 | 20 | 100 | 0.950 \pm 30% | 0.75 | 0.65 |
| SCNR6045-221MT | 220 | 20 | 100 | 1.200 \pm 30% | 0.70 | 0.59 |
| SCNR6045-331MT | 330 | 20 | 100 | 1.700 \pm 30% | 0.57 | 0.57 |

SCNR8040 Series

| Part Number | L(μ H) | Tolerance(\pm %) | Test Freq.(KHz) | RDC (Ω) | Isat(A) | Irms(A) |
|----------------|-------------|---------------------|-----------------|------------------|---------|---------|
| SCNR8040-R90NT | 0.90 | 30 | 100 | 0.006 \pm 30% | 11.00 | 7.80 |
| SCNR8040-1R4NT | 1.4 | 30 | 100 | 0.007 \pm 30% | 9.00 | 7.00 |
| SCNR8040-2R0NT | 2.0 | 30 | 100 | 0.009 \pm 30% | 7.40 | 6.30 |
| SCNR8040-2R2NT | 2.2 | 30 | 100 | 0.009 \pm 30% | 7.40 | 6.30 |
| SCNR8040-2R8NT | 2.8 | 30 | 100 | 0.014 \pm 30% | 5.80 | 5.10 |
| SCNR8040-3R6MT | 3.6 | 20 | 100 | 0.015 \pm 30% | 5.30 | 4.90 |
| SCNR8040-4R7MT | 4.7 | 20 | 100 | 0.018 \pm 30% | 4.70 | 4.10 |
| SCNR8040-6R8MT | 6.8 | 20 | 100 | 0.025 \pm 30% | 4.00 | 3.70 |
| SCNR8040-100MT | 10 | 20 | 100 | 0.034 \pm 30% | 3.40 | 3.10 |
| SCNR8040-150MT | 15 | 20 | 100 | 0.050 \pm 30% | 2.70 | 2.40 |
| SCNR8040-220MT | 22 | 20 | 100 | 0.066 \pm 30% | 2.20 | 2.20 |
| SCNR8040-330MT | 33 | 20 | 100 | 0.100 \pm 30% | 1.90 | 1.70 |
| SCNR8040-470MT | 47 | 20 | 100 | 0.150 \pm 30% | 1.50 | 1.40 |
| SCNR8040-680MT | 68 | 20 | 100 | 0.230 \pm 30% | 1.20 | 1.10 |
| SCNR8040-101MT | 100 | 20 | 100 | 0.290 \pm 30% | 1.00 | 1.00 |
| SCNR8040-151MT | 150 | 20 | 100 | 0.480 \pm 30% | 0.95 | 0.85 |
| SCNR8040-221MT | 220 | 20 | 100 | 0.660 \pm 30% | 0.85 | 0.80 |
| SCNR8040-331MT | 330 | 20 | 100 | 1.020 \pm 30% | 0.68 | 0.64 |

Isat: The DC current is that which cause a 30% inductance reduction from the initial value.

Irms: The DC current is inductor surface temperature to rise by 40 $^{\circ}$ C (Reference ambient temperature 20 $^{\circ}$ C).

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