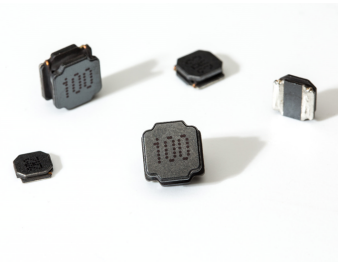


SNR Series



Features

RoHS, Halogen Free and REACH Compliance
Magnetic-resin shielded construction reduces buzz noise to ultra-low levels
Metallization on ferrite core results in excellent shock resistance and damage-free durability
30% higher current rating than conventional inductors of equal size
Takes up less PCB real estate and save more power

Applications

Flat-screen TVs, blue-ray disc recorders, set top box, movie cameras, smart phone
Portable gaming devices, personal navigation systems, personal multimedia devices
Telecomm base stations, VR, AR

Product Identification

SNR XXXX TL - XXXX
For example: SNR3012TL-4R7M

General Specifications

Test Frequency..... 100KHz
Test Voltage..... 1.0V
Parameters Test Temp..... 25°C
Operation Temp..... -40°C to +125°C (Including temperature Rise)
Storage Temp..... 0~40°C
Storage Humidity..... <70% RH
Resistance to Soldering Heat..... 260°C for 10 sec
Rated Current..... Ind. drops of 30%typ at Isat
Temperature Rise..... 40°C typ. at Irms

Shape And Dimensions

Fig.1

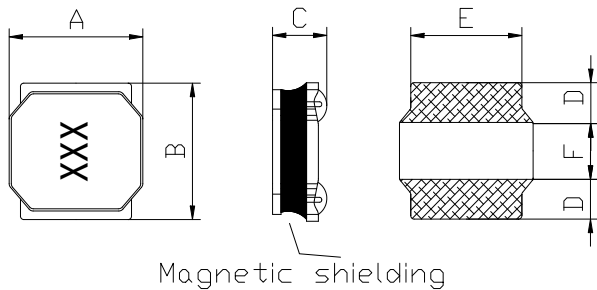
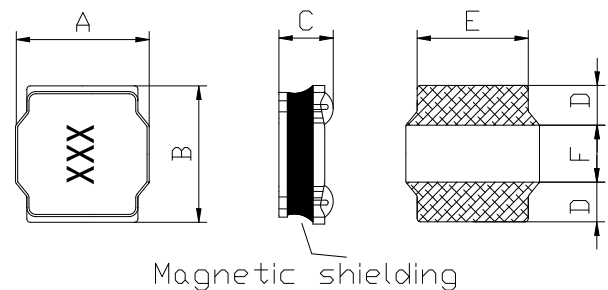
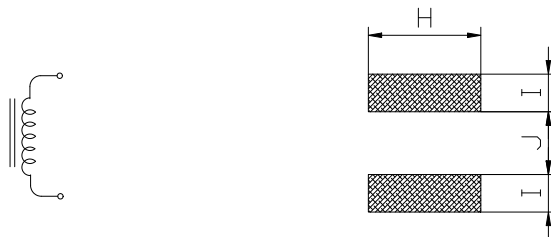


Fig.2



Electrical Schematic & PAD Layout



Dimensions In mm

| TYPE | A | B | C | D | E | F | H | I | J | Shape |
|------|------|------|------|------|------|------|------|------|------|-------|
| | ±0.2 | ±0.2 | Max | Ref | Ref | Ref | Ref | Ref | Ref | |
| 3010 | 3.00 | 3.00 | 1.20 | 0.90 | 2.50 | 1.20 | 2.80 | 1.30 | 0.90 | Fig.1 |
| 3012 | 3.00 | 3.00 | 1.30 | 0.90 | 2.80 | 1.20 | 3.00 | 1.30 | 0.90 | Fig.1 |
| 3015 | 3.00 | 3.00 | 1.50 | 0.90 | 2.60 | 1.20 | 2.90 | 1.30 | 0.90 | Fig.2 |

Standard Specifications

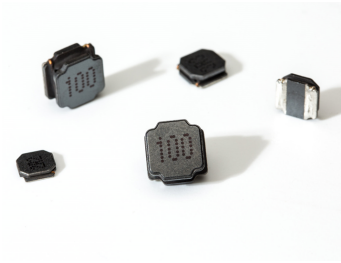
| Stamp | Inductance (uH) | SNR3010 | | | | SNR3012 | | | | SNR3015 | | | |
|-------|-----------------|--------------|----------|----------|---------------|--------------|----------|----------|---------------|--------------|----------|----------|---------------|
| | | DCR (mΩ) Max | Isat (A) | Irms (A) | SRF (MHZ) Min | DCR (mΩ) Max | Isat (A) | Irms (A) | SRF (MHZ) Min | DCR (mΩ) Max | Isat (A) | Irms (A) | SRF (MHZ) Min |
| R22 | 0.22 | | | | | 30 | 5.30 | 3.00 | 321 | | | | |
| R50 | 0.50 | | | | | | | | | 39 | 3.90 | 2.60 | 162 |
| R82 | 0.82 | | | | | 50 | 2.05 | 2.47 | 180 | | | | |
| 1R0 | 1.00 | 85 | 1.40 | 1.45 | 180 | 60 | 1.87 | 2.20 | 120 | 39 | 2.32 | 2.35 | 150 |
| 1R2 | 1.20 | 95 | 1.25 | 1.45 | 137 | 72 | 1.80 | 2.01 | 120 | 52 | 2.21 | 1.95 | 110 |
| 1R5 | 1.50 | 104 | 1.27 | 1.30 | 120 | 75 | 1.62 | 2.01 | 110 | 65 | 2.30 | 1.70 | 100 |
| 1R8 | 1.80 | | | | | 98 | 1.30 | 1.65 | 90 | 65 | 1.75 | 1.70 | 92 |
| 2R2 | 2.20 | 143 | 1.15 | 1.09 | 100 | 105 | 1.20 | 1.55 | 84 | 78 | 1.60 | 1.60 | 86 |
| 2R4 | 2.40 | | | | | 110 | 1.15 | 1.60 | 100 | | | | |
| 2R7 | 2.70 | 169 | 1.00 | 1.02 | 90 | 110 | 1.14 | 1.48 | 65 | 98 | 1.52 | 1.43 | 64 |
| 3R3 | 3.30 | 189 | 0.97 | 0.96 | 74 | 130 | 1.05 | 1.36 | 64 | 104 | 1.32 | 1.36 | 68 |
| 3R6 | 3.60 | 215 | 0.95 | 0.90 | 67 | 156 | 1.05 | 1.36 | 36 | 137 | 1.28 | 1.20 | 59 |
| 3R9 | 3.90 | | | | | 156 | 1.00 | 1.24 | 61 | 137 | 1.20 | 1.20 | 47 |
| 4R3 | 4.30 | | | | | | | | | 150 | 1.20 | 1.14 | 53 |
| 4R7 | 4.70 | 293 | 0.75 | 0.77 | 59 | 156 | 0.90 | 1.24 | 61 | 163 | 1.10 | 1.09 | 46 |
| 5R1 | 5.10 | | | | | | | | | 173 | 1.00 | 1.05 | 49 |
| 5R6 | 5.60 | 322 | 0.58 | 0.70 | 40 | 226 | 0.80 | 1.13 | 61 | | | | |
| 6R2 | 6.20 | | | | | | | | | 254 | 1.00 | 0.86 | 46 |
| 6R8 | 6.80 | 397 | 0.55 | 0.66 | 42 | 247 | 0.75 | 0.98 | 61 | 260 | 0.85 | 0.85 | 39 |
| 8R2 | 8.20 | 520 | 0.55 | 0.58 | 23 | | | | | | | | |
| 100 | 10.0 | 520 | 0.55 | 0.58 | 39 | 345 | 0.60 | 0.83 | 42 | 325 | 0.72 | 0.77 | 41 |
| 120 | 12.0 | 657 | 0.43 | 0.52 | 36 | 480 | 0.48 | 0.73 | 32 | 416 | 0.70 | 0.68 | 32 |
| 150 | 15.0 | 793 | 0.42 | 0.47 | 30 | 492 | 0.45 | 0.71 | 27 | 455 | 0.66 | 0.65 | 30 |
| 180 | 18.0 | | | | | 709 | 0.43 | 0.58 | 25 | 559 | 0.56 | 0.59 | 23 |
| 220 | 22.0 | 1209 | 0.35 | 0.38 | 28 | 839 | 0.42 | 0.53 | 23 | 598 | 0.52 | 0.57 | 23 |
| 270 | 27.0 | 1404 | 0.30 | 0.35 | 25 | 1131 | 0.35 | 0.47 | 21 | 949 | 0.48 | 0.45 | 22 |
| 330 | 33.0 | 2015 | 0.29 | 0.30 | 18 | 1138 | 0.36 | 0.46 | 18 | 1066 | 0.44 | 0.43 | 20 |
| 360 | 36.0 | | | | | 1235 | 0.34 | 0.44 | 18 | | | | |
| 390 | 39.0 | 2275 | 0.28 | 0.28 | 18 | 1729 | 0.30 | 0.37 | 18 | 1294 | 0.41 | 0.39 | 14 |
| 430 | 43.0 | 2340 | 0.23 | 0.27 | 18 | | | | | 1378 | 0.37 | 0.37 | 16 |
| 470 | 47.0 | 2535 | 0.22 | 0.26 | 18 | 1885 | 0.27 | 0.35 | 14 | 1625 | 0.35 | 0.35 | 14 |
| 510 | 51.0 | 2860 | 0.21 | 0.25 | 18 | | | | | | | | |
| 560 | 56.0 | 3016 | 0.21 | 0.24 | 16 | 1950 | 0.26 | 0.28 | 9.0 | 1664 | 0.33 | 0.34 | 13 |
| 620 | 62.0 | | | | | | | | | 2093 | 0.30 | 0.30 | 13 |
| 680 | 68.0 | | | | | 2171 | 0.24 | 0.33 | 7.0 | 3510 | 0.28 | 0.23 | 11 |
| 820 | 82.0 | | | | | 3302 | 0.17 | 0.27 | 7.0 | | | | |
| 101 | 100 | | | | | 3718 | 0.21 | 0.25 | 5.0 | 4043 | 0.23 | 0.21 | 6.3 |
| 151 | 150 | | | | | | | | | 4940 | 0.18 | 0.19 | 4.7 |

Note: When ordering, please specify tolerance code. Tolerance: M=±20%, N=±30%

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*Beyond the above specification also can meet the special requirements. Need detailed content Please to the website query or contact us.

SNR Series



Features

RoHS, Halogen Free and REACH Compliance
Magnetic-resin shielded construction reduces buzz noise to ultra-low levels
Metallization on ferrite core results in excellent shock resistance and damage-free durability
30% higher current rating than conventional inductors of equal size
Takes up less PCB real estate and save more power

Applications

LED Lighting, Flat-screen TVs, blue-ray disc recorders, set top box, movie cameras, smart phone Notebooks, desktop computers, servers, graphic cards
Portable gaming devices, personal navigation systems, personal multimedia devices
Telecomm base stations, VR, AR

Product Identification

SNR XXXX TL - XXXX
For example: SNR4018TL-2R2M

General Specifications

Test frequency..... 100KHz
Test Voltage.....1.0V
Parameters Test Temp..... 20°C
Operation Temp.....-40°C to +125°C
(Including temperature Rise)
Storage Temp.....0~40°C
Storage Humidity.....<70% RH
Resistance to Soldering Heat.....260°C for 10 sec
Rated Current.....Ind. drops of 30% at Isat
Temperature Rise.....40°C. at Irms

Shape And Dimensions

Fig.1

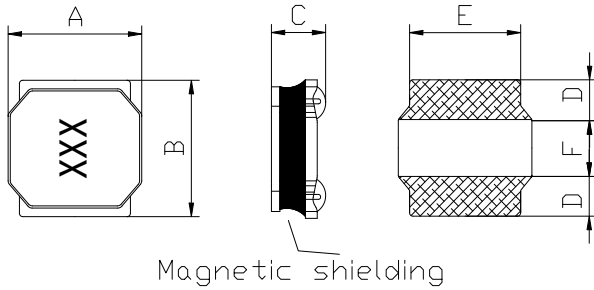
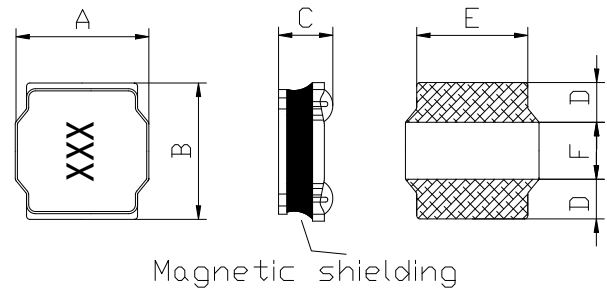
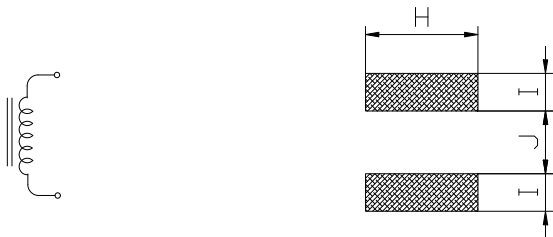


Fig.2



Electrical Schematic & PAD Layout



Dimensions In mm

| TYPE | A | B | C | D | E | F | H | I | J | Shape |
|------|------|------|------|------|------|------|------|------|------|-------|
| | ±0.2 | ±0.2 | Max | Ref | Ref | Ref | Ref | Ref | Ref | |
| 4010 | 4.00 | 4.00 | 1.15 | 1.30 | 3.50 | 1.40 | 3.80 | 1.70 | 1.10 | Fig.1 |
| 4012 | 4.00 | 4.00 | 1.35 | 1.25 | 3.50 | 1.50 | 3.80 | 1.65 | 1.20 | Fig.1 |
| 4018 | 4.00 | 4.00 | 1.80 | 1.20 | 3.50 | 1.60 | 3.80 | 1.60 | 1.30 | Fig.1 |
| 4020 | 4.00 | 4.00 | 2.10 | 1.20 | 3.50 | 1.60 | 3.80 | 1.60 | 1.30 | Fig.1 |
| 4026 | 4.00 | 4.00 | 2.80 | 1.10 | 3.50 | 1.80 | 3.80 | 1.50 | 1.50 | Fig.1 |
| 4030 | 4.00 | 4.00 | 3.00 | 1.35 | 3.50 | 1.30 | 3.80 | 1.75 | 1.00 | Fig.2 |

Standard Specifications

| Stamp | Inductance (uH) | SNR4010 | | | | SNR4012 | | | | SNR4018 | | | |
|-------|-----------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|
| | | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min |
| R47 | 0.47 | | | | | | | | | 18 | 4.30 | 4.00 | 155 |
| R68 | 0.68 | | | | | | | | | 26 | 4.90 | 3.30 | 128 |
| R82 | 0.82 | | | | | 65 | 3.02 | 1.65 | 150 | | | | |
| 1R0 | 1.00 | 67 | 2.00 | 1.90 | 116 | 65 | 2.61 | 1.65 | 120 | 33 | 4.80 | 2.00 | 80 |
| 1R5 | 1.50 | 84 | 1.68 | 1.70 | 94 | 85 | 2.10 | 1.46 | 90 | 39 | 3.35 | 1.80 | 65 |
| 1R8 | 1.80 | | | | | 104 | 2.12 | 1.32 | 88 | 44 | 3.00 | 2.00 | 54 |
| 2R2 | 2.20 | 102 | 1.20 | 1.50 | 73 | 104 | 1.76 | 1.32 | 74 | 59 | 2.70 | 1.65 | 52 |
| 2R7 | 2.70 | | | | | 117 | 1.90 | 1.25 | 71 | | | | |
| 3R3 | 3.30 | 120 | 1.10 | 1.40 | 58 | 143 | 1.72 | 1.12 | 60 | 91 | 2.45 | 1.23 | 44 |
| 3R6 | 3.60 | | | | | 143 | 1.20 | 1.12 | 57 | | | | |
| 4R3 | 4.30 | | | | | 182 | 1.58 | 1.00 | 54 | | | | |
| 4R7 | 4.70 | 168 | 0.95 | 1.20 | 47 | 163 | 1.15 | 1.05 | 50 | 117 | 1.70 | 1.20 | 34 |
| 5R1 | 5.10 | | | | | 201 | 1.55 | 0.95 | 50 | | | | |
| 5R6 | 5.60 | | | | | 182 | 1.00 | 1.00 | 42 | | | | |
| 6R8 | 6.80 | 240 | 0.80 | 1.00 | 38 | 257 | 0.85 | 0.84 | 40 | 143 | 1.45 | 1.06 | 29 |
| 100 | 10.0 | 360 | 0.62 | 0.75 | 31 | 345 | 0.80 | 0.77 | 33 | 234 | 1.30 | 0.84 | 24 |
| 120 | 12.0 | | | | | 377 | 0.66 | 0.70 | 32 | | | | |
| 150 | 15.0 | 516 | 0.54 | 0.60 | 24 | 442 | 0.56 | 0.64 | 25 | 325 | 0.94 | 0.65 | 19 |
| 180 | 18.0 | | | | | 611 | 0.55 | 0.55 | 23 | | | | |
| 220 | 22.0 | 684 | 0.45 | 0.50 | 19 | 763 | 0.46 | 0.49 | 20 | 468 | 0.80 | 0.59 | 16 |
| 270 | 27.0 | | | | | 936 | 0.50 | 0.45 | 18 | 611 | 0.47 | 0.52 | 27 |
| 330 | 33.0 | | | | | 1053 | 0.42 | 0.42 | 17 | 689 | 0.56 | 0.49 | 12 |
| 360 | 36.0 | | | | | 1170 | 0.40 | 0.40 | 14 | | | | |
| 390 | 39.0 | | | | | 1430 | 0.55 | 0.37 | 16 | | | | |
| 470 | 47.0 | | | | | 1430 | 0.35 | 0.37 | 12 | 845 | 0.57 | 0.42 | 10 |
| 560 | 56.0 | | | | | 1625 | 0.33 | 0.33 | 11 | | | | |
| 680 | 68.0 | | | | | 2535 | 0.38 | 0.27 | 11 | 1300 | 0.47 | 0.32 | 8.3 |
| 820 | 82.0 | | | | | 2782 | 0.28 | 0.26 | 11 | | | | |
| 101 | 100 | | | | | 2873 | 0.25 | 0.25 | 9.4 | 2275 | 0.40 | 0.25 | 6.5 |
| 151 | 150 | | | | | | | | | 3250 | 0.31 | 0.22 | 5.5 |
| 221 | 220 | | | | | | | | | 5200 | 0.27 | 0.17 | 4.0 |

Note: When ordering, please specify tolerance code. Tolerance: K=±10%, M=±20%, N=±30%

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*Beyond the above specification also can meet the special requirements. Need detailed content Please to the website query or contact us.

Standard Specifications

| Stamp | Inductance (uH) | SNR4020 | | | | SNR4026 | | | | SNR4030 | | | |
|-------|-----------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|
| | | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min |
| R24 | 0.24 | 14 | 10.5 | 4.50 | 283 | | | | | | | | |
| R33 | 0.33 | 16 | 7.50 | 3.30 | 223 | | | | | | | | |
| R47 | 0.47 | 29 | 7.00 | 3.30 | 160 | | | | | | | | |
| R68 | 0.68 | 36 | 6.40 | 2.80 | 120 | | | | | 13 | 6.80 | 4.56 | 130 |
| R91 | 0.91 | | | | | | | | | 17 | 6.25 | 4.15 | 100 |
| 1R0 | 1.00 | 38 | 4.78 | 2.15 | 75 | 31 | 3.30 | 3.00 | 151 | 18 | 5.26 | 4.15 | 70 |
| 1R2 | 1.20 | 38 | 5.10 | 2.15 | 72 | 39 | 3.10 | 2.30 | 120 | 20 | 5.80 | 3.82 | 80 |
| 1R5 | 1.50 | 46 | 4.45 | 1.98 | 71 | 39 | 2.40 | 2.30 | 100 | 26 | 4.84 | 3.34 | 62 |
| 1R8 | 1.80 | | | | | | | | | 33 | 5.40 | 3.20 | 60 |
| 2R2 | 2.20 | 52 | 3.40 | 1.85 | 49 | 52 | 2.10 | 2.00 | 96 | 39 | 4.90 | 2.95 | 52 |
| 3R3 | 3.30 | 91 | 3.20 | 1.40 | 44 | 65 | 1.80 | 1.70 | 58 | 52 | 3.30 | 2.40 | 38 |
| 3R6 | 3.60 | 72 | 2.80 | 1.54 | 49 | | | | | 52 | 3.00 | 2.40 | 37 |
| 3R9 | 3.90 | | | | | | | | | 74 | 3.00 | 2.10 | 32 |
| 4R3 | 4.30 | | | | | | | | | 72 | 2.95 | 2.10 | 37 |
| 4R7 | 4.70 | 98 | 2.35 | 1.34 | 42 | 72 | 1.45 | 1.60 | 46 | 78 | 2.90 | 2.00 | 31 |
| 5R1 | 5.10 | 111 | 2.30 | 1.27 | 42 | | | | | | | | |
| 5R6 | 5.60 | 117 | 2.20 | 1.22 | 30 | | | | | 85 | 2.60 | 1.95 | 30 |
| 6R2 | 6.20 | 150 | 2.15 | 1.08 | 36 | | | | | | | | |
| 6R8 | 6.80 | 163 | 2.20 | 1.04 | 33 | 85 | 1.30 | 1.50 | 33 | 117 | 2.75 | 1.60 | 24 |
| 7R5 | 7.50 | 150 | 1.85 | 1.08 | 30 | | | | | 110 | 2.20 | 1.65 | 26 |
| 8R2 | 8.20 | 163 | 1.75 | 1.04 | 27 | | | | | 117 | 2.10 | 1.60 | 26 |
| 100 | 10.0 | 215 | 1.60 | 0.90 | 26 | 110 | 1.00 | 1.30 | 26 | 130 | 1.95 | 1.50 | 21 |
| 120 | 12.0 | 228 | 1.50 | 0.88 | 26 | | | | | 175 | 1.70 | 1.30 | 18 |
| 150 | 15.0 | 299 | 1.35 | 0.77 | 24 | 143 | 0.90 | 1.10 | 19 | 247 | 1.65 | 1.11 | 16 |
| 180 | 18.0 | | | | | | | | | 260 | 1.40 | 1.10 | 10 |
| 220 | 22.0 | 455 | 1.05 | 0.62 | 15 | 214 | 0.60 | 0.90 | 13 | 292 | 1.30 | 1.00 | 10 |
| 270 | 27.0 | 709 | 1.02 | 0.50 | 14 | | | | | 338 | 1.15 | 0.90 | 10 |
| 330 | 33.0 | 715 | 0.85 | 0.49 | 11 | 351 | 0.55 | 0.70 | 9 | 429 | 1.10 | 0.84 | 10 |
| 360 | 36.0 | | | | | | | | | 436 | 1.05 | 0.83 | 9.8 |
| 390 | 39.0 | 845 | 0.82 | 0.46 | 11 | | | | | 566 | 1.03 | 0.73 | 10 |
| 430 | 43.0 | 858 | 0.77 | 0.45 | 10 | | | | | | | | |

Note: When ordering, please specify tolerance code. Tolerance: K=±10%, M=±20%, N=±30%

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Standard Specifications

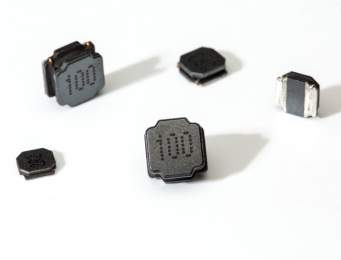
| Stamp | Inductance (uH) | SNR4020 | | | | SNR4026 | | | | SNR4030 | | | |
|-------|-----------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|
| | | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min |
| 470 | 47.0 | 923 | 0.74 | 0.44 | 10 | 390 | 0.40 | 0.65 | 6 | 579 | 0.95 | 0.72 | 8.4 |
| 510 | 51.0 | 975 | 0.70 | 0.42 | 10 | | | | | 611 | 0.90 | 0.70 | 8.4 |
| 560 | 56.0 | 1040 | 0.66 | 0.41 | 10 | | | | | 722 | 0.85 | 0.65 | 8.4 |
| 620 | 62.0 | 1170 | 0.65 | 0.39 | 9.6 | | | | | 761 | 0.80 | 0.63 | 7.0 |
| 680 | 68.0 | 1380 | 0.61 | 0.36 | 7.7 | | | | | 1128 | 0.72 | 0.52 | 7.0 |
| 750 | 75.0 | 1510 | 0.70 | 0.35 | 7.7 | | | | | 1326 | 0.70 | 0.48 | 6.3 |
| 820 | 82.0 | 1520 | 0.50 | 0.34 | 7.2 | | | | | 1378 | 0.66 | 0.47 | 5.6 |
| 910 | 91.0 | | | | | | | | | 1430 | 0.65 | 0.46 | 5.6 |
| 101 | 100 | 2020 | 0.48 | 0.31 | 6.3 | | | | | 1495 | 0.60 | 0.45 | 5.6 |
| 121 | 120 | | | | | | | | | 1755 | 0.55 | 0.42 | 5.4 |
| 151 | 150 | | | | | | | | | 2340 | 0.50 | 0.30 | 4.0 |
| 221 | 220 | | | | | | | | | 3250 | 0.40 | 0.35 | 4.2 |
| 331 | 330 | | | | | | | | | 5200 | 0.30 | 0.25 | 6.8 |
| 471 | 470 | | | | | | | | | 9360 | 0.30 | 0.20 | 2.0 |
| 501 | 500 | | | | | | | | | 9027 | 0.28 | 0.15 | 2.0 |
| 681 | 680 | | | | | | | | | 9854 | 0.19 | 0.14 | 1.2 |

Note: When ordering, please specify tolerance code. Tolerance: K=±10%, M=±20%, N=±30%

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RoHS, Halogen Free and REACH Compliance
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 Metallization on ferrite core results in excellent shock resistance and damage-free durability
 30% higher current rating than conventional inductors of equal size
 Takes up less PCB real estate and save more power

Applications

LED Lighting, Flat-screen TVs, blue-ray disc recorders, set top box, movie cameras, smart phone Notebooks, desktop computers, servers, graphic cards
 Portable gaming devices, personal navigation systems, personal multimedia devices
 Telecomm base stations, VR, AR

Product Identification

SNR XXXX TL - XXXX
 For example: SNR5040TL-100M

General Specifications

Test frequency..... 100KHz
 Test Voltage.....1.0V
 Parameters Test Temp..... 20°C
 Operation Temp.....-40°C to +125°C
 (Including temperature Rise)
 Storage Temp.....0~40°C
 Storage Humidity.....<70% RH
 Resistance to Soldering Heat.....260°C for 10 sec
 Rated Current.....Ind. drops of 30% at Isat
 Temperature Rise.....40°C. at Irms

Shape And Dimensions

Fig.1

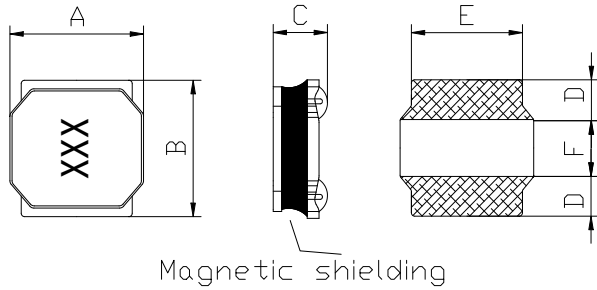
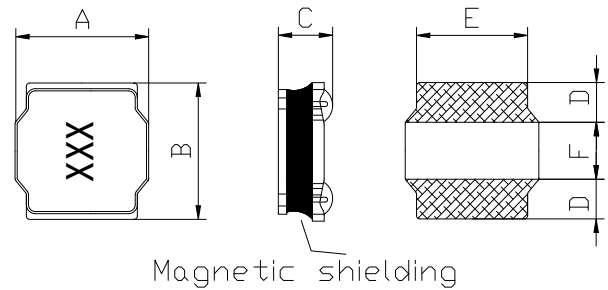
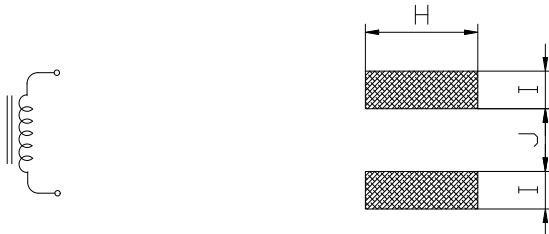


Fig.2



Electrical Schematic & PAD Layout



Dimensions In mm

| TYPE | A | B | C | D | E | F | H | I | J | Shape |
|------|------|------|------|------|------|------|------|------|------|-------|
| | ±0.2 | ±0.2 | Max | Ref | Ref | Ref | Ref | Ref | Ref | |
| 5012 | 5.00 | 5.00 | 1.30 | 1.50 | 4.00 | 2.00 | 4.30 | 1.90 | 1.70 | Fig.1 |
| 5020 | 5.00 | 5.00 | 2.00 | 1.35 | 4.00 | 2.50 | 4.30 | 1.75 | 2.00 | Fig.2 |
| 5040 | 5.00 | 5.00 | 4.00 | 1.50 | 4.00 | 2.50 | 4.30 | 1.90 | 1.70 | Fig.1 |

Standard Specifications

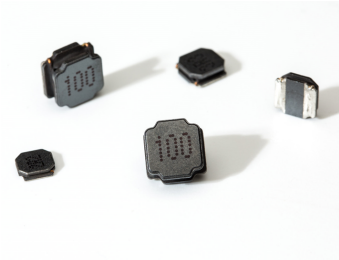
| Stamp | Inductance (uH) | SNR5012 | | | | SNR5020 | | | | SNR5040 | | | |
|-------|-----------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|
| | | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min |
| R22 | 0.22 | 34 | 8.10 | 3.00 | 315 | 11 | 9.00 | 5.30 | 280 | | | | |
| R24 | 0.24 | | | | | 11 | 8.00 | 5.30 | 248 | | | | |
| R47 | 0.47 | | | | | 17 | 6.15 | 4.60 | 160 | | | | |
| R56 | 0.56 | | | | | 22 | 8.50 | 3.80 | 137 | | | | |
| R68 | 0.68 | | | | | 22 | 5.50 | 4.00 | 120 | | | | |
| R75 | 0.75 | | | | | 22 | 5.50 | 4.00 | 117 | | | | |
| 1R0 | 1.00 | 68 | 4.40 | 2.00 | 103 | 26 | 4.10 | 3.80 | 114 | 16 | 7.35 | 4.90 | 117 |
| 1R2 | 1.20 | | | | | 29 | 4.50 | 3.55 | 83 | 21 | 6.50 | 4.15 | 110 |
| 1R5 | 1.50 | 86 | 3.70 | 1.90 | 68 | 34 | 4.10 | 3.20 | 68 | 20 | 6.30 | 4.30 | 86 |
| 1R8 | 1.80 | | | | | | | | | 21 | 5.50 | 4.15 | 55 |
| 2R2 | 2.20 | 108 | 3.10 | 1.70 | 50 | 42 | 3.20 | 2.90 | 57 | 25 | 4.90 | 3.80 | 50 |
| 2R7 | 2.70 | | | | | 49 | 2.90 | 2.70 | 52 | 29 | 4.30 | 3.60 | 37 |
| 3R0 | 3.00 | | | | | 49 | 2.55 | 2.70 | 49 | 29 | 4.15 | 3.60 | 37 |
| 3R3 | 3.30 | 151 | 2.40 | 1.40 | 34 | 56 | 2.55 | 2.50 | 46 | 31 | 3.95 | 3.40 | 32 |
| 3R6 | 3.60 | | | | | 56 | 2.80 | 2.50 | 43 | 34 | 3.80 | 3.30 | 30 |
| 3R9 | 3.90 | | | | | 56 | 2.30 | 2.50 | 40 | 35 | 3.55 | 3.20 | 29 |
| 4R3 | 4.30 | | | | | 74 | 2.50 | 2.20 | 37 | | | | |
| 4R7 | 4.70 | 197 | 2.20 | 1.30 | 31 | 74 | 2.50 | 2.20 | 37 | 39 | 3.50 | 3.00 | 28 |
| 5R1 | 5.10 | | | | | 83 | 2.25 | 2.05 | 32 | | | | |
| 5R6 | 5.60 | | | | | 83 | 2.30 | 2.05 | 32 | 46 | 3.00 | 2.80 | 27 |
| 6R8 | 6.80 | 294 | 1.70 | 1.00 | 22 | 108 | 2.05 | 1.80 | 30 | 56 | 2.90 | 2.50 | 21 |
| 7R5 | 7.50 | | | | | 117 | 1.85 | 1.75 | 26 | | | | |
| 8R2 | 8.20 | | | | | 127 | 1.85 | 1.65 | 26 | 62 | 2.70 | 2.30 | 20 |
| 9R1 | 9.10 | | | | | 143 | 1.70 | 1.55 | 24 | | | | |
| 100 | 10.00 | 413 | 1.40 | 0.85 | 17 | 143 | 1.70 | 1.55 | 24 | 83 | 2.35 | 2.10 | 18 |
| 120 | 12.00 | | | | | 182 | 1.50 | 1.40 | 22 | | | | |
| 150 | 15.00 | 523 | 1.20 | 0.80 | 13 | 215 | 1.35 | 1.25 | 20 | 112 | 2.00 | 2.00 | 13 |
| 180 | 18.00 | | | | | 260 | 1.25 | 1.15 | 16 | | | | |
| 220 | 22.00 | 858 | 0.88 | 0.60 | 16 | 294 | 1.15 | 1.10 | 14 | 168 | 1.60 | 1.50 | 11 |
| 330 | 33.00 | | | | | 507 | 0.92 | 0.90 | 10 | 244 | 1.30 | 1.20 | 9.0 |
| 470 | 47.00 | | | | | 680 | 0.77 | 0.77 | 7.0 | 354 | 1.10 | 1.00 | 7.0 |
| 560 | 56.00 | | | | | 819 | 0.77 | 0.70 | 6.0 | | | | |
| 680 | 68.00 | | | | | 962 | 0.65 | 0.64 | 6.0 | 520 | 0.90 | 0.80 | 6.0 |
| 820 | 82.00 | | | | | 1158 | 0.65 | 0.50 | 6.0 | | | | |
| 101 | 100.00 | | | | | 1430 | 0.53 | 0.53 | 6.0 | 728 | 0.75 | 0.70 | 5.0 |
| 121 | 120.00 | | | | | 1755 | 0.42 | 0.40 | 6.0 | | | | |
| 151 | 150.00 | | | | | | | | | 975 | 0.65 | 0.60 | 3.7 |
| 201 | 200.00 | | | | | 2600 | 0.30 | 0.40 | 4.5 | | | | |
| 102 | 1000.00 | | | | | | | | | 7800 | 0.21 | 0.20 | 1.3 |

Note: When ordering, please specify tolerance code. Tolerance: K=±10%, M=±20%, N=±30%

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*Beyond the above specification also can meet the special requirements. Need detailed content Please to the website query or contact us.

SNR Series



Features

RoHS, Halogen Free and REACH Compliance
Magnetic-resin shielded construction reduces buzz noise to ultra-low levels
Metallization on ferrite core results in excellent shock resistance and damage-free durability
30% higher current rating than conventional inductors of equal size
Takes up less PCB real estate and save more power

Applications

LED Lighting, Flat-screen TVs, blue-ray disc recorders, set top box, movie cameras, smart phone Notebooks, desktop computers, servers, graphic cards
Portable gaming devices, personal navigation systems, personal multimedia devices
Telecomm base stations, VR, AR

Product Identification

SNR XXXX TL - XXXX
For example: SNR6028TL-100M

General Specifications

Test frequency..... 100KHz
Test Voltage.....1.0V
Parameters Test Temp..... 20°C
Operation Temp.....-40°C to +125°C (Including temperature Rise)
Storage Temp.....0~40°C
Storage Humidity.....<70% RH
Resistance to Soldering Heat.....260°C for 10 sec
Rated Current.....Ind. drops of 30% at Isat
Temperature Rise.....40°C. at Irms

Shape And Dimensions

Fig.1

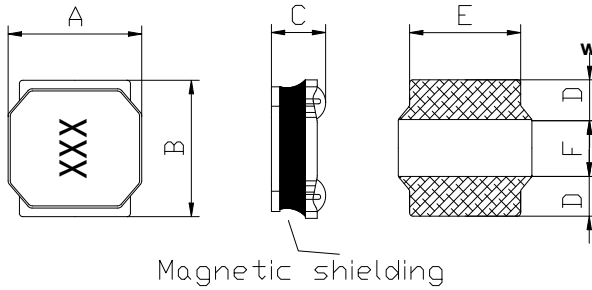
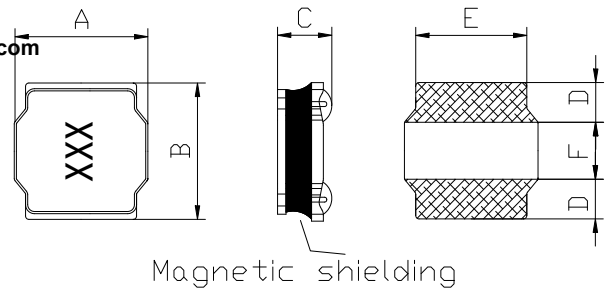
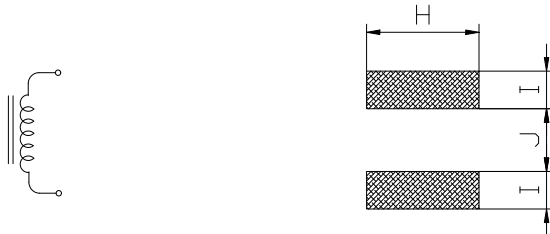


Fig.2



Electrical Schematic & PAD Layout



Dimensions In mm

| TYPE | A | B | C | D | E | F | H | I | J | Shape |
|------|------|------|------|------|------|------|------|------|------|-------|
| | ±0.2 | ±0.2 | Max | Ref | Ref | Ref | Ref | Ref | Ref | |
| 6012 | 6.00 | 6.00 | 1.30 | 1.65 | 5.00 | 2.70 | 5.30 | 2.05 | 2.40 | Fig.2 |
| 6020 | 6.00 | 6.00 | 2.00 | 1.65 | 5.00 | 2.70 | 5.30 | 2.05 | 2.40 | Fig.1 |
| 6028 | 6.00 | 6.00 | 3.00 | 1.85 | 5.00 | 2.30 | 5.30 | 2.25 | 2.00 | Fig.2 |
| 6045 | 6.00 | 6.00 | 4.50 | 1.65 | 5.00 | 2.70 | 5.30 | 2.05 | 2.40 | Fig.2 |
| 6050 | 6.00 | 6.00 | 5.30 | 1.65 | 5.00 | 2.70 | 5.30 | 2.05 | 2.40 | Fig.2 |
| 6060 | 6.00 | 6.00 | 6.30 | 1.65 | 5.00 | 2.70 | 5.30 | 2.05 | 2.40 | Fig.2 |

Standard Specifications

| Stamp | Inductance (uH) | SNR6012 | | | | SNR6020 | | | | SNR6028 | | | |
|-------|-----------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|
| | | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min |
| R50 | 0.50 | | | | | 18 | 4.50 | 4.00 | 120.0 | | | | |
| R68 | 0.68 | | | | | 22 | 6.55 | 3.80 | 115.0 | | | | |
| R82 | 0.82 | | | | | 22 | 5.30 | 3.80 | 110.0 | 16 | 6.50 | 5.20 | 97.0 |
| 1R0 | 1.00 | | | | | 20 | 4.15 | 3.50 | 100.0 | 13 | 5.75 | 5.20 | 70.0 |
| 1R2 | 1.20 | | | | | 29 | 5.90 | 3.20 | 88.0 | 17 | 6.40 | 4.58 | 69.0 |
| 1R5 | 1.50 | | | | | 29 | 4.25 | 3.20 | 79.0 | 17 | 6.00 | 4.58 | 65.0 |
| 1R8 | 1.80 | | | | | 36 | 4.85 | 2.75 | 68.0 | | | | |
| 2R0 | 2.00 | | | | | 46 | 4.10 | 2.60 | 65.0 | | | | |
| 2R2 | 2.20 | | | | | 36 | 3.75 | 2.75 | 61.0 | 26 | 5.10 | 3.75 | 48.0 |
| 2R7 | 2.70 | | | | | 46 | 3.90 | 2.60 | 56.0 | 26 | 3.80 | 3.75 | 48.0 |
| 3R3 | 3.30 | 130 | 1.65 | 1.32 | 52.0 | 46 | 3.15 | 2.60 | 51.0 | 33 | 4.15 | 3.48 | 41.0 |
| 3R9 | 3.90 | | | | | 64 | 3.25 | 2.10 | 45.0 | | | | |
| 4R3 | 4.30 | | | | | 64 | 2.70 | 2.10 | 44.0 | | | | |
| 4R7 | 4.70 | | | | | 75 | 3.00 | 2.00 | 41.0 | 39 | 3.00 | 3.08 | 35.0 |
| 5R1 | 5.10 | | | | | | | | | 56 | 3.20 | 2.60 | 32.0 |
| 5R6 | 5.60 | | | | | 75 | 2.40 | 1.90 | 36.0 | | | | |
| 6R2 | 6.20 | | | | | 103 | 2.30 | 1.80 | 31.0 | 61 | 3.05 | 2.40 | 30.0 |
| 6R8 | 6.80 | 243 | 1.30 | 1.04 | 32.0 | 103 | 2.20 | 1.80 | 31.0 | 61 | 2.60 | 2.40 | 27.0 |
| 8R2 | 8.20 | | | | | 137 | 2.10 | 1.40 | 27.0 | 72 | 2.30 | 2.25 | 24.0 |
| 9R1 | 9.10 | | | | | | | | | 96 | 2.55 | 2.15 | 24.0 |
| 100 | 10.00 | 270 | 1.00 | 0.80 | 28.0 | 137 | 1.75 | 1.40 | 27.0 | 94 | 2.04 | 1.95 | 23.0 |
| 120 | 12.00 | | | | | 156 | 1.45 | 1.30 | 25.0 | 104 | 1.80 | 1.85 | 18.0 |
| 150 | 15.00 | | | | | 189 | 1.20 | 1.20 | 21.0 | 163 | 1.75 | 1.45 | 18.0 |
| 180 | 18.00 | | | | | 234 | 1.20 | 1.08 | 18.0 | 156 | 1.52 | 1.45 | 15.0 |
| 220 | 22.00 | | | | | 265 | 1.05 | 1.00 | 16.0 | 182 | 1.45 | 1.40 | 14.0 |
| 270 | 27.00 | | | | | | | | | 202 | 1.50 | 1.32 | 13.0 |
| 330 | 33.00 | | | | | 390 | 0.95 | 0.84 | 11.0 | 241 | 1.35 | 1.22 | 12.0 |
| 360 | 36.00 | | | | | | | | | 280 | 1.25 | 1.13 | 11.0 |
| 390 | 39.00 | | | | | | | | | 293 | 1.25 | 1.10 | 11.0 |
| 470 | 47.00 | | | | | 559 | 0.70 | 0.80 | 10.0 | 410 | 1.15 | 1.06 | 9.5 |
| 560 | 56.00 | | | | | | | | | 449 | 1.05 | 0.89 | 8.2 |
| 680 | 68.00 | | | | | | | | | 468 | 0.80 | 0.86 | 7.7 |
| 750 | 75.00 | | | | | | | | | 533 | 0.90 | 0.81 | 7.7 |
| 820 | 82.00 | | | | | | | | | 650 | 0.80 | 0.70 | 7.7 |
| 101 | 100.00 | | | | | | | | | 650 | 0.65 | 0.70 | 7.1 |
| 331 | 330.00 | | | | | 3419 | 0.27 | 0.33 | 3.0 | | | | |
| 401 | 400.00 | | | | | | | | | 2808 | 0.30 | 0.40 | 2.8 |
| 471 | 470.00 | | | | | | | | | | | | |
| 102 | 1000.00 | | | | | | | | | 7540 | 0.18 | 0.23 | 1.5 |

Note: When ordering, please specify tolerance code. Tolerance: K=±10%, M=±20%, N=±30%

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Standard Specifications

| Stamp | Inductance (uH) | SNR6045 | | | | SNR6050 | | | | SNR6060 | | | |
|-------|-----------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|
| | | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min |
| R47 | 0.47 | 8 | 15.00 | 6.50 | 155.0 | | | | | | | | |
| R56 | 0.56 | 8 | 15.00 | 6.50 | 142.0 | | | | | | | | |
| R68 | 0.68 | 8 | 11.00 | 5.70 | 99.0 | | | | | | | | |
| R82 | 0.82 | 10 | 10.35 | 5.90 | 140.0 | | | | | | | | |
| 1R0 | 1.00 | 14 | 9.85 | 5.14 | 100.0 | | | | | 10.0 | 10.00 | 8.00 | 47.0 |
| 1R2 | 1.20 | 13 | 8.35 | 5.40 | 100.0 | | | | | | | | |
| 1R3 | 1.30 | 13 | 8.35 | 5.40 | 100.0 | | | | | | | | |
| 1R5 | 1.50 | 16 | 8.80 | 4.95 | 65.0 | | | | | | | | |
| 1R8 | 1.80 | 16 | 7.60 | 4.95 | 74.0 | | | | | | | | |
| 2R0 | 2.00 | | | | | | | | | 20.0 | 8.80 | 7.00 | 38.0 |
| 2R2 | 2.20 | 18 | 6.75 | 4.60 | 52.0 | 20 | 8.50 | 6.80 | 40.0 | 20.0 | 8.80 | 6.60 | 26.0 |
| 2R3 | 2.30 | 27 | 6.00 | 3.50 | 60.0 | | | | | | | | |
| 2R7 | 2.70 | 20 | 5.75 | 4.30 | 38.0 | | | | | | | | |
| 3R0 | 3.00 | 26 | 5.60 | 3.80 | 35.0 | | | | | | | | |
| 3R3 | 3.30 | 27 | 5.90 | 3.70 | 32.0 | 26 | 7.20 | 5.70 | 25.0 | 25.0 | 7.50 | 6.00 | 20.0 |
| 3R6 | 3.60 | 27 | 5.25 | 3.70 | 28.0 | | | | | | | | |
| 4R3 | 4.30 | 30 | 4.45 | 3.50 | 23.0 | | | | | | | | |
| 4R5 | 4.50 | 34 | 4.97 | 3.30 | 24.0 | | | | | | | | |
| 4R7 | 4.70 | 34 | 4.97 | 3.30 | 24.0 | 36 | 6.40 | 5.10 | 19.0 | 32.5 | 6.80 | 5.40 | 15.0 |
| 5R1 | 5.10 | 34 | 4.40 | 3.30 | 23.0 | | | | | | | | |
| 5R6 | 5.60 | 38 | 4.15 | 3.15 | 23.0 | | | | | | | | |
| 6R2 | 6.20 | 40 | 4.43 | 3.00 | 26.0 | | | | | | | | |
| 6R3 | 6.30 | 40 | 4.43 | 3.00 | 26.0 | | | | | | | | |
| 6R8 | 6.80 | 40 | 3.90 | 3.00 | 20.0 | 46 | 5.20 | 4.10 | 16.0 | 40.0 | 5.90 | 4.70 | 12.0 |
| 7R5 | 7.50 | 44 | 3.50 | 2.90 | 18.0 | | | | | | | | |
| 8R2 | 8.20 | 56 | 3.90 | 2.60 | 21.0 | | | | | | | | |
| 9R1 | 9.10 | 56 | 3.35 | 2.60 | 17.0 | | | | | | | | |
| 100 | 10.00 | 62 | 3.20 | 2.45 | 15.0 | 60 | 4.20 | 3.30 | 12.0 | 72.0 | 4.60 | 3.60 | 9.0 |
| 120 | 12.00 | 75 | 2.80 | 2.20 | 13.0 | | | | | | | | |
| 150 | 15.00 | 88 | 2.50 | 2.05 | 12.0 | 90 | 3.30 | 2.60 | 9.0 | 97.5 | 3.80 | 3.00 | 7.2 |
| 180 | 18.00 | 105 | 2.20 | 1.85 | 10.0 | | | | | | | | |
| 220 | 22.00 | 116 | 2.05 | 1.80 | 10.0 | 120 | 3.10 | 2.40 | 8.0 | 110.5 | 3.40 | 2.70 | 6.4 |
| 270 | 27.00 | 133 | 1.90 | 1.65 | 9.2 | | | | | | | | |
| 300 | 30.00 | 172 | 1.70 | 1.50 | 7.8 | | | | | | | | |
| 330 | 33.00 | 178 | 1.65 | 1.45 | 7.8 | 175 | 2.20 | 1.70 | 6.2 | 156.0 | 2.80 | 2.20 | 4.8 |
| 360 | 36.00 | 225 | 1.62 | 1.40 | 7.8 | | | | | | | | |
| 390 | 39.00 | 234 | 1.50 | 1.25 | 7.8 | | | | | | | | |
| 430 | 43.00 | 260 | 1.63 | 1.20 | 7.7 | | | | | | | | |
| 470 | 47.00 | 260 | 1.40 | 1.20 | 6.4 | | | | | | | | |

Note: When ordering, please specify tolerance code. Tolerance: K=±10%, M=±20%, N=±30%

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Standard Specifications

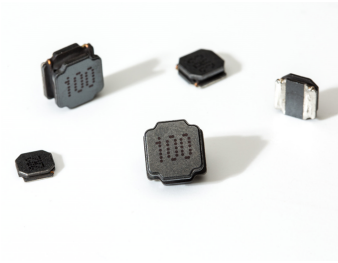
| Stamp | Inductance (uH) | SNR6045 | | | | SNR6050 | | | | SNR6060 | | | |
|-------|-----------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|
| | | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min |
| 510 | 51.00 | 269 | 1.35 | 1.15 | 6.4 | | | | | | | | |
| 560 | 56.00 | 287 | 1.30 | 1.10 | 6.4 | | | | | | | | |
| 620 | 62.00 | 306 | 1.25 | 1.10 | 6.4 | | | | | | | | |
| 680 | 68.00 | 376 | 1.20 | 1.00 | 6.4 | | | | | | | | |
| 750 | 75.00 | 397 | 1.15 | 0.95 | 5.0 | | | | | | | | |
| 820 | 82.00 | 443 | 1.05 | 0.90 | 4.9 | | | | | | | | |
| 910 | 91.00 | 467 | 1.00 | 0.85 | 4.9 | | | | | | | | |
| 101 | 100.00 | 563 | 0.95 | 0.80 | 4.2 | | | | | | | | |
| 121 | 120.00 | 629 | 0.85 | 0.77 | 4.2 | | | | | | | | |
| 151 | 150.00 | 754 | 0.80 | 0.70 | 4.2 | | | | | | | | |
| 221 | 220.00 | 1084 | 0.70 | 0.59 | 3.5 | | | | | | | | |
| 331 | 330.00 | 1651 | 0.57 | 0.57 | 2.8 | | | | | | | | |
| 471 | 470.00 | 2340 | 0.50 | 0.42 | 2.0 | | | | | | | | |
| 681 | 680.00 | 3250 | 0.42 | 0.33 | 1.7 | | | | | | | | |
| 102 | 1000.00 | 5850 | 0.30 | 0.30 | 0.5 | | | | | | | | |
| 152 | 1500.00 | 8450 | 0.24 | 0.21 | 0.8 | | | | | | | | |

Note: When ordering, please specify tolerance code. Tolerance: K=±10%, M=±20%, N=±30%

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*Beyond the above specification also can meet the special requirements. Need detailed content Please to the website query or contact us.

SNR Series



Features

RoHS, Halogen Free and REACH Compliance
 Magnetic-resin shielded construction reduces buzz noise to ultra-low levels
 Metallization on ferrite core results in excellent shock resistance and damage-free durability
 30% higher current rating than conventional inductors of equal size
 Takes up less PCB real estate and save more power

Applications

LED Lighting, Flat-screen TVs, blue-ray disc recorders, set top box, movie cameras, smart phone Notebooks, desktop computers, servers, graphic cards
 Portable gaming devices, personal navigation systems, personal multimedia devices
 Telecomm base stations, VR, AR

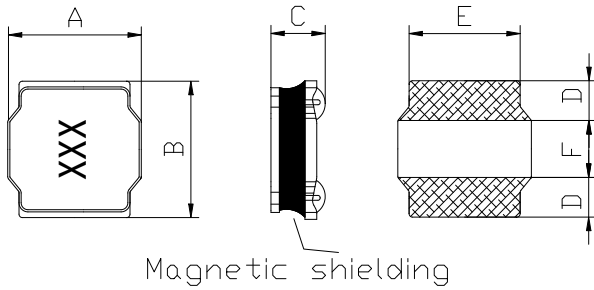
Product Identification

SNR XXXX TL - XXXX
 For example: SNR8040TL-4R7M

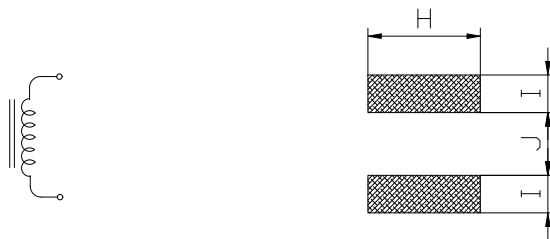
General Specifications

Test frequency..... 100KHz
 Test Voltage.....1.0V
 Parameters Test Temp..... 20℃
 Operation Temp.....-40℃ to +125℃
 (Including temperature Rise)
 Storage Temp.....0~40℃
 Storage Humidity.....<70% RH
 Resistance to Soldering Heat.....260℃ for 10 sec
 Rated Current.....Ind. drops of 30% at Isat
 Temperature Rise.....40℃. at I rms

Shape And Dimensions



Electrical Schematic & PAD Layout



Dimensions In mm

| TYPE | A | B | C | D | E | F | H | I | J |
|------|------|------|------|------|------|------|------|------|------|
| | ±0.3 | ±0.3 | Max | Ref | Ref | Ref | Ref | Ref | Ref |
| 8040 | 8.00 | 8.00 | 4.20 | 2.45 | 6.30 | 3.10 | 8.50 | 2.85 | 2.80 |
| 8050 | 8.00 | 8.00 | 5.20 | 2.45 | 6.30 | 3.10 | 8.50 | 2.85 | 2.80 |
| 8065 | 8.00 | 8.00 | 6.80 | 2.45 | 6.30 | 3.10 | 8.50 | 2.85 | 2.80 |

Standard Specifications

| Stamp | Inductance (uH) | SNR8040 | | | | SNR8050 | | | | SNR8065 | | | |
|-------|-----------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|
| | | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min |
| R82 | 0.82 | 10.0 | 13.8 | 6.30 | 94 | | | | | | | | |
| 1R0 | 1.00 | 10.0 | 9.85 | 6.30 | 89 | | | | | | | | |
| 1R2 | 1.20 | 13.0 | 10.0 | 5.65 | 59 | | | | | | | | |
| 1R5 | 1.50 | 13.0 | 8.15 | 5.65 | 67 | | | | | | | | |
| 2R0 | 2.00 | 16.0 | 9.25 | 5.15 | 43 | | | | | | | | |
| 2R2 | 2.20 | 16.0 | 7.10 | 5.15 | 41 | | | | | | | | |
| 3R0 | 3.00 | 18.0 | 6.10 | 4.70 | 32 | | | | | | | | |
| 3R3 | 3.30 | 22.0 | 6.50 | 4.40 | 27 | | | | | | | | |
| 3R6 | 3.60 | 22.0 | 7.52 | 4.35 | 30 | | | | | | | | |
| 3R9 | 3.90 | 22.0 | 5.75 | 4.35 | 26 | | | | | | | | |
| 4R7 | 4.70 | 25.0 | 5.90 | 4.10 | 24 | 39.0 | 9.50 | 4.50 | 20 | 22 | 8.50 | 4.70 | 18 |
| 5R1 | 5.10 | 25.0 | 4.70 | 4.05 | 22 | | | | | | | | |
| 5R6 | 5.60 | 27.0 | 6.00 | 3.85 | 24 | | | | | 26 | 8.00 | 4.50 | 17 |
| 6R2 | 6.20 | 27.0 | 4.45 | 3.85 | 20 | | | | | | | | |
| 6R8 | 6.80 | 31.0 | 4.55 | 3.60 | 20 | | | | | 28.6 | 7.50 | 4.50 | 16 |
| 8R2 | 8.20 | 34.0 | 4.20 | 3.45 | 17 | | | | | 31.0 | 7.00 | 4.20 | 15 |
| 100 | 10.0 | 38.0 | 3.60 | 3.30 | 15 | | | | | 40.0 | 6.60 | 4.00 | 10 |
| 120 | 12.0 | 53.0 | 3.50 | 2.80 | 13 | | | | | | | | |
| 150 | 15.0 | 61.0 | 2.95 | 2.60 | 12 | | | | | 62.0 | 4.80 | 3.60 | 9.6 |
| 180 | 18.0 | 69.0 | 2.70 | 2.40 | 11 | 80.0 | 4.20 | 3.00 | 7.8 | | | | |
| 220 | 22.0 | 90.0 | 2.40 | 2.10 | 9.5 | 120 | 4.00 | 2.50 | 6.8 | 65.0 | 4.30 | 2.85 | 8.0 |
| 270 | 27.0 | 101 | 2.15 | 2.00 | 9.2 | | | | | | | | |
| 330 | 33.0 | 126 | 2.05 | 1.80 | 7.8 | | | | | 118 | 3.50 | 2.30 | 6.4 |
| 360 | 36.0 | 133 | 2.00 | 1.75 | 7.8 | | | | | | | | |
| 390 | 39.0 | 139 | 1.95 | 1.70 | 7.8 | | | | | | | | |
| 430 | 43.0 | 147 | 1.90 | 1.65 | 7.8 | | | | | | | | |
| 470 | 47.0 | 177 | 1.75 | 1.55 | 6.4 | | | | | 156 | 3.00 | 2.20 | 5.1 |
| 510 | 51.0 | 185 | 1.70 | 1.50 | 6.4 | 195 | 1.85 | 1.55 | 5.0 | | | | |
| 560 | 56.0 | 192 | 1.55 | 1.45 | 6.4 | | | | | | | | |
| 620 | 62.0 | 237 | 1.50 | 1.30 | 6.4 | | | | | | | | |
| 680 | 68.0 | 255 | 1.45 | 1.25 | 4.9 | 255 | 1.55 | 1.30 | 3.9 | 230 | 2.70 | 2.10 | 3.1 |

Note: When ordering, please specify tolerance code. Tolerance: K=±10%, M=±20%, N=±30%

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*Beyond the above specification also can meet the special requirements. Need detailed content Please to the website query or contact us.

Standard Specifications

| Stamp | Inductance (uH) | SNR8040 | | | | SNR8050 | | | | SNR8065 | | | |
|-------|-----------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|
| | | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min | DCR (mΩ) Max | Isat (A) Max | Irms (A) Max | SRF (MHZ) Min |
| 750 | 75.0 | 274 | 1.35 | 1.20 | 4.9 | | | | | | | | |
| 820 | 82.0 | 293 | 1.30 | 1.15 | 5.9 | 305 | 1.40 | 1.25 | 3.9 | 300 | 2.50 | 1.40 | 3.1 |
| 910 | 91.0 | 354 | 1.20 | 1.05 | 4.9 | | | | | | | | |
| 101 | 100 | 377 | 1.15 | 1.00 | 4.2 | | | | | 390 | 2.30 | 1.30 | 2.8 |
| 121 | 120 | 434 | 1.05 | 0.95 | 3.5 | | | | | | | | |
| 151 | 150 | 533 | 1.10 | 0.85 | 3.5 | 585 | 1.20 | 0.95 | 2.8 | 575 | 1.80 | 1.20 | 2.6 |
| 181 | 180 | 676 | 0.95 | 0.83 | 3.5 | | | | | | | | |
| 221 | 220 | 779 | 0.85 | 0.80 | 3.5 | | | | | 988 | 1.40 | 0.90 | 2.0 |
| 331 | 330 | 1156 | 0.68 | 0.64 | 2.8 | | | | | 1320 | 1.10 | 0.70 | 1.6 |
| 431 | 430 | | | | | | | | | 1580 | 0.95 | 0.61 | 1.5 |
| 471 | 470 | 1625 | 0.60 | 0.50 | 2.1 | | | | | 1690 | 0.90 | 0.55 | 1.2 |
| 681 | 680 | 2652 | 0.50 | 0.45 | 1.7 | | | | | | | | |
| 821 | 820 | | | | | | | | | 2000 | 0.65 | 0.50 | 1.1 |
| 102 | 1000 | 3640 | 0.40 | 0.35 | 1.4 | 5000 | 0.42 | 0.42 | 1.5 | 2820 | 0.60 | 0.40 | 1.0 |
| 122 | 1200 | | | | | 5800 | 0.40 | 0.40 | 0.8 | | | | |
| 152 | 1500 | 6500 | 0.32 | 0.26 | 1.0 | 6500 | 0.35 | 0.35 | 0.6 | 4380 | 0.54 | 0.36 | 0.4 |
| 302 | 3000 | | | | | | | | | 10800 | 0.30 | 0.24 | 0.2 |
| 472 | 4700 | | | | | | | | | 14580 | 0.25 | 0.22 | 0.2 |
| 682 | 6800 | | | | | | | | | 22440 | 0.24 | 0.20 | 0.1 |

Note: When ordering, please specify tolerance code. Tolerance: K=±10%, M=±20%, N=±30%

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