



## Surface Mount Power Inductor

### FEATURES

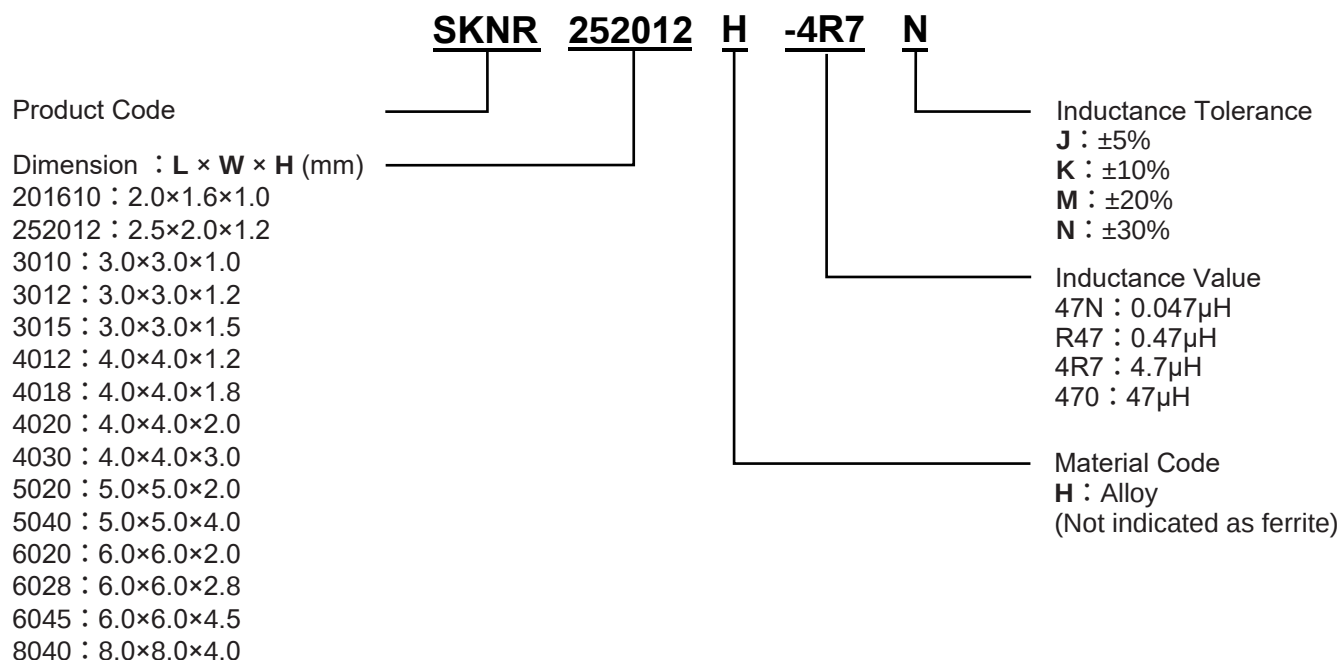
- Magnetic glue encapsulation greatly reduces the beeping sound
- Metallize the electrode directly on the core, strong resistance to drop impact, durable
- Closed magnetic circuit structure design, less magnetic leakage, strong anti-EMI ability
- The same size, the rated current characteristics are more than 30% higher than the traditional inductor
- Save space, more power saving



### APPLICATIONS

- LED lighting
- Flat screen TV, set-top box, camera, smartphone
- Tablets, laptops, desktops, servers, graphics cards
- Portable game consoles, personal navigation systems, multimedia
- Communication equipment, VR, etc

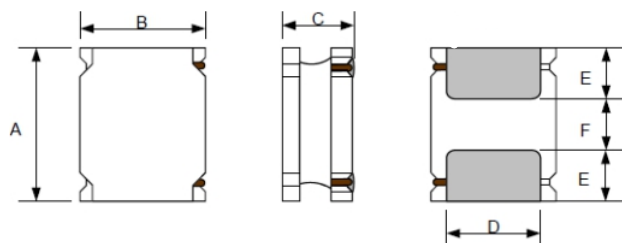
### PRODUCT IDENTIFICATION





## STANDARD EXTERNAL DIMENSIONS

Fig.1



Recommended Pad Size

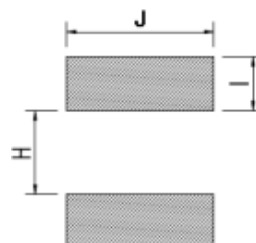
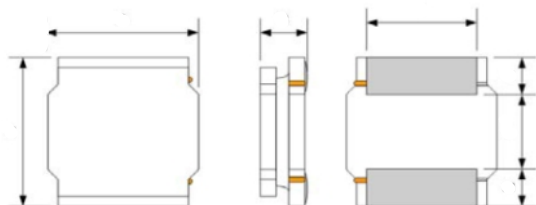


Fig.2



| Specification | Dimensions |         |        |         |          |          |       |       |       |       |
|---------------|------------|---------|--------|---------|----------|----------|-------|-------|-------|-------|
|               | A          | B       | C      | D       | E        | F        | H Typ | I Typ | J Typ | Shape |
| SKNR201610    | 2.0±0.2    | 1.6±0.2 | 1.0Max | 1.6±0.2 | 0.60±0.2 | 0.80±0.2 | 0.80  | 0.85  | 1.8   | Fig.1 |
| SKNR201610H   | 2.0±0.2    | 1.6±0.2 | 1.0Max | 1.6±0.2 | 0.60±0.2 | 0.80±0.2 | 0.80  | 0.85  | 1.8   | Fig.1 |
| SKNR252012    | 2.5±0.1    | 2.0±0.1 | 1.2Max | 2.0±0.2 | 0.80±0.2 | 0.80±0.2 | 0.80  | 0.85  | 2.0   | Fig.1 |
| SKNR252012H   | 2.5±0.2    | 2.0±0.2 | 1.2Max | 2.0±0.2 | 0.80±0.2 | 0.80±0.2 | 0.80  | 0.85  | 2.0   | Fig.1 |
| SKNR3010      | 3.0±0.2    | 3.0±0.2 | 1.0max | 2.5±0.2 | 0.75±0.2 | 1.5±0.2  | 1.5   | 0.8   | 2.7   | Fig.2 |
| SKNR3012      | 3.0±0.2    | 3.0±0.2 | 1.2max | 2.5±0.2 | 0.75±0.2 | 1.5±0.2  | 1.5   | 0.8   | 2.7   | Fig.2 |
| SKNR3015      | 3.0±0.2    | 3.0±0.2 | 1.5max | 2.5±0.2 | 0.75±0.2 | 1.5±0.2  | 1.5   | 0.8   | 2.7   | Fig.2 |
| SKNR3015H     | 3.0±0.2    | 3.0±0.2 | 1.5max | 2.5±0.2 | 0.75±0.2 | 1.5±0.2  | 1.5   | 0.8   | 2.7   | Fig.2 |
| SKNR4012      | 4.0±0.2    | 4.0±0.2 | 1.2max | 3.3±0.2 | 0.95±0.2 | 2.1±0.2  | 1.9   | 1.1   | 3.7   | Fig.2 |
| SKNR4018      | 4.0±0.3    | 4.0±0.3 | 1.8max | 2.6±0.2 | 1.05±0.2 | 1.9±0.2  | 1.9   | 1.1   | 2.8   | Fig.2 |
| SKNR4020      | 4.0±0.2    | 4.0±0.2 | 2.0max | 3.3±0.2 | 0.95±0.2 | 2.1±0.2  | 1.9   | 1.1   | 3.7   | Fig.2 |
| SKNR4030      | 4.0±0.2    | 4.0±0.2 | 3.0max | 3.3±0.2 | 0.95±0.2 | 2.1±0.2  | 1.9   | 1.1   | 3.7   | Fig.2 |
| SKNR5020      | 5.0±0.3    | 5.0±0.3 | 2.0max | 4.0±0.3 | 1.35±0.2 | 2.3±0.3  | 2.3   | 1.4   | 4.2   | Fig.2 |
| SKNR5040      | 5.0±0.3    | 5.0±0.3 | 4.0max | 4.0±0.3 | 1.50±0.3 | 2.0±0.3  | 2.0   | 1.4   | 4.2   | Fig.2 |
| SKNR6020      | 6.0±0.2    | 6.0±0.2 | 2.0max | 4.9±0.2 | 1.55±0.2 | 2.9±0.2  | 2.8   | 1.7   | 5.7   | Fig.2 |
| SKNR6028      | 6.0±0.2    | 6.0±0.2 | 2.8max | 4.9±0.2 | 1.55±0.2 | 2.9±0.2  | 2.8   | 1.7   | 5.7   | Fig.2 |
| SKNR6045      | 6.0±0.2    | 6.0±0.2 | 4.5max | 4.9±0.2 | 1.55±0.2 | 2.9±0.2  | 2.8   | 1.7   | 5.7   | Fig.2 |
| SKNR8040      | 8.0±0.2    | 8.0±0.2 | 4.2max | 6.3±0.2 | 2.0±0.2  | 4.0±0.2  | 3.8   | 2.2   | 7.5   | Fig.2 |



## SPECIFICATIONS

### SKNR201610 TYPE

| Part Number    | Inductance | Inductance Tolerance | L,Q Test Freq.<br>L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|----------------|------------|----------------------|-----------------------|--------------------|--------------------|------|--------------------------|------|
|                |            |                      |                       |                    | Isat               |      | Irms                     |      |
|                | L          | -                    | Freq                  | DCR                | Max.               | Typ. | Max.                     | Typ. |
| Units          | μH         | -                    | kHz/V                 | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR201610-R47 | 0.47       | N                    | 100/1                 | 0.040              | 2200               | 2400 | 2100                     | 2300 |
| SKNR201610-R68 | 0.68       | N                    | 100/1                 | 0.060              | 1900               | 2100 | 1850                     | 2050 |
| SKNR201610-1R0 | 1.0        | N                    | 100/1                 | 0.090              | 1550               | 1700 | 1400                     | 1600 |
| SKNR201610-2R2 | 2.2        | M、N                  | 100/1                 | 0.175              | 1100               | 1300 | 900                      | 1150 |
| SKNR201610-3R3 | 3.3        | M、N                  | 100/1                 | 0.316              | 800                | 1000 | 650                      | 820  |
| SKNR201610-4R7 | 4.7        | M、N                  | 100/1                 | 0.340              | 600                | 750  | 600                      | 700  |
| SKNR201610-6R8 | 6.8        | M、N                  | 100/1                 | 0.550              | 550                | 650  | 550                      | 630  |

### SKNR201610H TYPE

| Part Number     | Inductance | Inductance Tolerance | L,Q Test Freq.<br>L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|-----------------|------------|----------------------|-----------------------|--------------------|--------------------|------|--------------------------|------|
|                 |            |                      |                       |                    | Isat               |      | Irms                     |      |
|                 | L          | -                    | Freq                  | DCR                | Max.               | Typ. | Max.                     | Typ. |
| Units           | μH         | -                    | MHz/V                 | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR201610H-R24 | 0.24       | N                    | 1/1                   | 0.040              | 4500               | 5500 | 3000                     | 3450 |
| SKNR201610H-R33 | 0.33       | N                    | 1/1                   | 0.049              | 4000               | 5000 | 2900                     | 3300 |
| SKNR201610H-R47 | 0.47       | N                    | 1/1                   | 0.049              | 4000               | 4700 | 2700                     | 3100 |
| SKNR201610H-R68 | 0.68       | N                    | 1/1                   | 0.065              | 3500               | 4000 | 2500                     | 2800 |
| SKNR201610H-1R0 | 1.0        | M、N                  | 1/1                   | 0.090              | 3350               | 3850 | 2050                     | 2250 |
| SKNR201610H-1R5 | 1.5        | M、N                  | 1/1                   | 0.130              | 1950               | 3050 | 1700                     | 2550 |
| SKNR201610H-2R2 | 2.2        | M、N                  | 1/1                   | 0.170              | 1900               | 2150 | 1450                     | 1700 |
| SKNR201610H-3R3 | 3.3        | M、N                  | 1/1                   | 0.300              | 1500               | 2150 | 1000                     | 1150 |
| SKNR201610H-4R7 | 4.7        | M、N                  | 1/1                   | 0.425              | 1200               | 1500 | 900                      | 1000 |

### SKNR252012 TYPE

| Part Number    | Inductance | Inductance Tolerance | L,Q Test Freq.<br>L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|----------------|------------|----------------------|-----------------------|--------------------|--------------------|------|--------------------------|------|
|                |            |                      |                       |                    | Isat               |      | Irms                     |      |
|                | L          | -                    | Freq                  | DCR                | Max.               | Typ. | Max.                     | Typ. |
| Units          | μH         | -                    | kHz/V                 | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR252012-R47 | 0.47       | N                    | 100/1                 | 0.061              | 3820               | 4270 | 2150                     | 2340 |
| SKNR252012-R68 | 0.68       | N                    | 100/1                 | 0.074              | 3280               | 3680 | 1950                     | 2130 |
| SKNR252012-1R0 | 1.0        | N                    | 100/1                 | 0.09               | 2590               | 2900 | 1930                     | 2100 |



## SKNR Series

| Part Number    | Inductance | Inductance Tolerance | L,Q Test Freq.<br>L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|----------------|------------|----------------------|-----------------------|--------------------|--------------------|------|--------------------------|------|
|                |            |                      |                       |                    | Isat               |      | Irms                     |      |
|                | L          | -                    | Freq                  | DCR                | Max.               | Typ. | Max.                     | Typ. |
| Units          | μH         | -                    | kHz/V                 | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR252012-R47 | 0.47       | N                    | 100/1                 | 0.061              | 3820               | 4270 | 2150                     | 2340 |
| SKNR252012-R68 | 0.68       | N                    | 100/1                 | 0.074              | 3280               | 3680 | 1950                     | 2130 |
| SKNR252012-1R0 | 1.0        | N                    | 100/1                 | 0.09               | 2590               | 2900 | 1930                     | 2100 |
| SKNR252012-2R7 | 2.7        | M、N                  | 100/1                 | 0.239              | 1720               | 1920 | 1090                     | 1190 |
| SKNR252012-3R3 | 3.3        | M、N                  | 100/1                 | 0.264              | 1610               | 1800 | 1040                     | 1130 |
| SKNR252012-3R6 | 3.6        | M、N                  | 100/1                 | 0.348              | 1460               | 1640 | 900                      | 980  |
| SKNR252012-4R3 | 4.3        | M、N                  | 100/1                 | 0.377              | 1370               | 1530 | 870                      | 950  |
| SKNR252012-4R7 | 4.7        | M、N                  | 100/1                 | 0.377              | 1120               | 1250 | 870                      | 950  |
| SKNR252012-5R1 | 5.1        | M、N                  | 100/1                 | 0.5                | 1120               | 1250 | 750                      | 820  |
| SKNR252012-5R6 | 5.6        | M、N                  | 100/1                 | 0.538              | 1110               | 1250 | 730                      | 800  |
| SKNR252012-6R2 | 6.2        | M、N                  | 100/1                 | 0.542              | 1030               | 1160 | 730                      | 800  |
| SKNR252012-6R8 | 6.8        | M、N                  | 100/1                 | 0.581              | 980                | 1100 | 690                      | 750  |
| SKNR252012-7R5 | 7.5        | M、N                  | 100/1                 | 0.611              | 980                | 1100 | 680                      | 740  |
| SKNR252012-8R2 | 8.2        | M、N                  | 100/1                 | 0.658              | 980                | 1100 | 650                      | 710  |
| SKNR252012-9R1 | 9.1        | M、N                  | 100/1                 | 0.69               | 910                | 1020 | 620                      | 680  |
| SKNR252012-100 | 10         | M、N                  | 100/1                 | 0.69               | 790                | 880  | 620                      | 680  |
| SKNR252012-120 | 12         | M、N                  | 100/1                 | 1.075              | 780                | 880  | 510                      | 560  |

### SKNR252012H TYPE

| Part Number     | Inductance | Inductance Tolerance | L,Q Test Freq.<br>L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|-----------------|------------|----------------------|-----------------------|--------------------|--------------------|------|--------------------------|------|
|                 |            |                      |                       |                    | Isat               |      | Irms                     |      |
|                 | L          | -                    | Freq                  | DCR                | Max.               | Typ. | Max.                     | Typ. |
| Units           | μH         | -                    | MHz/V                 | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR252012H-R24 | 0.24       | N                    | 1/1                   | 0.022              | 6500               | 7800 | 4050                     | 4700 |
| SKNR252012H-R33 | 0.33       | N                    | 1/1                   | 0.029              | 5300               | 6200 | 3700                     | 4300 |
| SKNR252012H-R47 | 0.47       | N                    | 1/1                   | 0.036              | 4900               | 5600 | 3150                     | 3600 |
| SKNR252012H-R68 | 0.68       | M、N                  | 1/1                   | 0.043              | 3700               | 4300 | 2800                     | 3250 |
| SKNR252012H-1R0 | 1          | M、N                  | 1/1                   | 0.054              | 3600               | 4200 | 2550                     | 3000 |
| SKNR252012H-1R2 | 1.2        | M、N                  | 1/1                   | 0.065              | 3100               | 3500 | 2350                     | 2750 |



## SKNR Series

| Part Number        | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|--------------------|------------|----------------------|--------------------|--------------------|--------------------|------|--------------------------|------|
|                    | L          | -                    | Freq               | DCR                | Isat               |      | Irms                     |      |
|                    | μH         | -                    | MHz/V              | Ω                  | Max.               | Typ. | Max.                     | Typ. |
| Units              | μH         | -                    | MHz/V              | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR252012H-1R5    | 1.5        | M、N                  | 1/1                | 0.072              | 2900               | 3500 | 2150                     | 2500 |
| SKNR252012H-2R2    | 2.2        | M、N                  | 1/1                | 0.104              | 1800               | 2100 | 1800                     | 2050 |
| SKNR252012H-2R2Y01 | 2.2        | M、N                  | 1/1                | 0.117              | 2100               | 2400 | 1750                     | 1900 |
| SKNR252012H-3R3    | 3.3        | M、N                  | 1/1                | 0.120              | 1700               | 2100 | 1500                     | 1750 |
| SKNR252012H-4R7    | 4.7        | M、N                  | 1/1                | 0.175              | 1700               | 2100 | 1250                     | 1500 |
| SKNR252012H-6R8    | 6.8        | M、N                  | 1/1                | 0.300              | 1600               | 1900 | 950                      | 1100 |
| SKNR252012H-100    | 10         | M、N                  | 1/1                | 0.435              | 1150               | 1350 | 850                      | 1000 |
| SKNR252012H-150    | 15         | M、N                  | 1/1                | 0.820              | 1100               | 1350 | 570                      | 650  |

### SKNR3010 TYPE

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|--------------|------------|----------------------|--------------------|--------------------|--------------------|------|--------------------------|------|
|              | L          | -                    | Freq               | DCR                | Isat               |      | Irms                     |      |
|              | μH         | -                    | kHz/V              | Ω                  | Max.               | Typ. | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V              | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR3010-1R0 | 1.0        | N                    | 100/1              | 0.085              | 1400               | 2100 | 1450                     | 1800 |
| SKNR3010-1R2 | 1.2        | N                    | 100/1              | 0.085              | 1250               | 1700 | 1450                     | 1800 |
| SKNR3010-1R5 | 1.5        | N                    | 100/1              | 0.104              | 1270               | 1700 | 1300                     | 1600 |
| SKNR3010-2R2 | 2.2        | N                    | 100/1              | 0.143              | 1150               | 1500 | 1090                     | 1400 |
| SKNR3010-2R7 | 2.7        | N                    | 100/1              | 0.169              | 1000               | 1200 | 1020                     | 1400 |
| SKNR3010-3R3 | 3.3        | N                    | 100/1              | 0.189              | 970                | 1200 | 960                      | 1200 |
| SKNR3010-3R6 | 3.6        | M、N                  | 100/1              | 0.215              | 950                | 1200 | 900                      | 1100 |
| SKNR3010-4R7 | 4.7        | M、N                  | 100/1              | 0.293              | 750                | 1050 | 770                      | 1100 |
| SKNR3010-5R6 | 5.6        | M、N                  | 100/1              | 0.322              | 580                | 750  | 700                      | 1050 |
| SKNR3010-6R8 | 6.8        | M、N                  | 100/1              | 0.397              | 550                | 750  | 660                      | 960  |
| SKNR3010-8R2 | 8.2        | M、N                  | 100/1              | 0.520              | 550                | 750  | 580                      | 700  |
| SKNR3010-100 | 10         | M、N                  | 100/1              | 0.520              | 550                | 750  | 580                      | 700  |
| SKNR3010-120 | 12         | M、N                  | 100/1              | 0.657              | 430                | 650  | 520                      | 670  |
| SKNR3010-150 | 15         | M、N                  | 100/1              | 0.793              | 420                | 570  | 470                      | 570  |
| SKNR3010-220 | 22         | M、N                  | 100/1              | 1.209              | 350                | 480  | 380                      | 550  |
| SKNR3010-270 | 27         | M、N                  | 100/1              | 1.404              | 300                | 450  | 350                      | 550  |



## SKNR Series

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq.<br>L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|--------------|------------|----------------------|-----------------------|--------------------|--------------------|------|--------------------------|------|
|              |            |                      |                       |                    | Isat               |      | Irms                     |      |
|              | L          | -                    | Freq                  | DCR                | Max.               | Typ. | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V                 | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR3010-330 | 33         | M、N                  | 100/1                 | 2.015              | 290                | 420  | 300                      | 550  |
| SKNR3010-390 | 39         | M、N                  | 100/1                 | 2.275              | 280                | 380  | 280                      | 530  |
| SKNR3010-430 | 43         | M、N                  | 100/1                 | 2.340              | 230                | 360  | 270                      | 520  |
| SKNR3010-470 | 47         | M、N                  | 100/1                 | 2.535              | 220                | 350  | 260                      | 520  |
| SKNR3010-510 | 51         | M、N                  | 100/1                 | 2.860              | 210                | 330  | 250                      | 480  |
| SKNR3010-560 | 56         | M、N                  | 100/1                 | 3.106              | 210                | 280  | 240                      | 350  |

### SKNR3012 TYPE

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq.<br>L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|--------------|------------|----------------------|-----------------------|--------------------|--------------------|------|--------------------------|------|
|              |            |                      |                       |                    | Isat               |      | Irms                     |      |
|              | L          | -                    | Freq                  | DCR                | Max.               | Typ. | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V                 | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR3012-R22 | 0.22       | N                    | 100/1                 | 0.022              | 5300               | 6000 | 3000                     | 3300 |
| SKNR3012-R82 | 0.82       | N                    | 100/1                 | 0.039              | 2250               | 2800 | 2470                     | 3000 |
| SKNR3012-1R0 | 1.0        | N                    | 100/1                 | 0.052              | 1870               | 2800 | 2200                     | 2700 |
| SKNR3012-1R2 | 1.2        | N                    | 100/1                 | 0.059              | 1870               | 2500 | 2010                     | 2200 |
| SKNR3012-1R5 | 1.5        | N                    | 100/1                 | 0.059              | 1620               | 1900 | 2010                     | 2200 |
| SKNR3012-1R8 | 1.8        | N                    | 100/1                 | 0.082              | 1300               | 1900 | 1650                     | 1800 |
| SKNR3012-2R2 | 2.2        | N                    | 100/1                 | 0.098              | 1200               | 1900 | 1600                     | 1700 |
| SKNR3012-2R4 | 2.4        | N                    | 100/1                 | 0.098              | 1150               | 1500 | 1600                     | 1700 |
| SKNR3012-2R7 | 2.7        | N                    | 100/1                 | 0.110              | 1140               | 1500 | 1480                     | 1500 |
| SKNR3012-3R3 | 3.3        | M、N                  | 100/1                 | 0.130              | 1050               | 1500 | 1360                     | 1400 |
| SKNR3012-3R6 | 3.6        | M、N                  | 100/1                 | 130                | 1050               | 1500 | 1360                     | 1400 |
| SKNR3012-3R9 | 3.9        | M、N                  | 100/1                 | 0.189              | 1000               | 1300 | 1240                     | 1300 |
| SKNR3012-4R7 | 4.7        | M、N                  | 100/1                 | 0.206              | 900                | 1100 | 1240                     | 1300 |
| SKNR3012-5R6 | 5.6        | M、N                  | 100/1                 | 0.226              | 800                | 1100 | 1130                     | 1240 |
| SKNR3012-6R8 | 6.8        | M、N                  | 100/1                 | 0.247              | 750                | 900  | 980                      | 1100 |
| SKNR3012-100 | 10         | M、N                  | 100/1                 | 0.345              | 600                | 880  | 830                      | 900  |
| SKNR3012-120 | 12         | M、N                  | 100/1                 | 0.449              | 480                | 670  | 730                      | 840  |
| SKNR3012-150 | 15         | M、N                  | 100/1                 | 0.468              | 450                | 620  | 710                      | 770  |



## SKNR Series

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq.<br>L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|--------------|------------|----------------------|-----------------------|--------------------|--------------------|------|--------------------------|------|
|              |            |                      |                       |                    | Isat               |      | Irms                     |      |
|              | L          | -                    | Freq                  | DCR                | Max.               | Typ. | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V                 | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR3012-180 | 18         | M、N                  | 100/1                 | 0.709              | 430                | 590  | 580                      | 650  |
| SKNR3012-220 | 22         | M、N                  | 100/1                 | 0.839              | 420                | 520  | 530                      | 590  |
| SKNR3012-270 | 27         | M、N                  | 100/1                 | 1.131              | 360                | 480  | 470                      | 510  |
| SKNR3012-330 | 33         | M、N                  | 100/1                 | 1.138              | 360                | 460  | 460                      | 500  |
| SKNR3012-360 | 36         | M、N                  | 100/1                 | 1.235              | 340                | 440  | 440                      | 480  |
| SKNR3012-390 | 39         | M、N                  | 100/1                 | 1.729              | 300                | 390  | 370                      | 410  |
| SKNR3012-470 | 47         | M、N                  | 100/1                 | 1.885              | 270                | 350  | 350                      | 400  |
| SKNR3012-560 | 56         | M、N                  | 100/1                 | 1.894              | 260                | 330  | 340                      | 400  |
| SKNR3012-680 | 68         | M、N                  | 100/1                 | 2.171              | 240                | 290  | 330                      | 370  |
| SKNR3012-820 | 82         | M、N                  | 100/1                 | 3.302              | 210                | 270  | 270                      | 310  |
| SKNR3012-101 | 100        | M、N                  | 100/1                 | 3.718              | 210                | 230  | 250                      | 290  |

### SKNR3015 TYPE

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq.<br>L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|--------------|------------|----------------------|-----------------------|--------------------|--------------------|------|--------------------------|------|
|              |            |                      |                       |                    | Isat               |      | Irms                     |      |
|              | L          | -                    | Freq                  | DCR                | Max.               | Typ. | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V                 | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR3015-R47 | 0.47       | N                    | 100/1                 | 0.032              | 3900               | 4200 | 2600                     | 2800 |
| SKNR3015-R68 | 0.68       | N                    | 100/1                 | 0.039              | 3300               | 3900 | 2400                     | 2700 |
| SKNR3015-1R0 | 1          | N                    | 100/1                 | 0.039              | 2320               | 3100 | 2350                     | 2500 |
| SKNR3015-1R2 | 1.2        | N                    | 100/1                 | 0.052              | 2210               | 3100 | 1950                     | 2300 |
| SKNR3015-1R5 | 1.5        | N                    | 100/1                 | 0.065              | 2300               | 2700 | 1700                     | 2200 |
| SKNR3015-1R8 | 1.8        | N                    | 100/1                 | 0.065              | 1750               | 2200 | 1700                     | 2200 |
| SKNR3015-2R2 | 2.2        | N                    | 100/1                 | 0.078              | 1600               | 2000 | 1600                     | 2000 |
| SKNR3015-2R7 | 2.7        | N                    | 100/1                 | 0.098              | 1520               | 1900 | 1430                     | 1900 |
| SKNR3015-3R3 | 3.3        | M、N                  | 100/1                 | 0.104              | 1320               | 1810 | 1360                     | 1600 |
| SKNR3015-3R6 | 3.6        | M、N                  | 100/1                 | 0.137              | 1280               | 1600 | 1200                     | 1500 |
| SKNR3015-3R9 | 3.9        | M、N                  | 100/1                 | 0.137              | 1200               | 1400 | 1200                     | 1500 |
| SKNR3015-4R3 | 4.3        | M、N                  | 100/1                 | 0.15               | 1200               | 1400 | 1140                     | 1300 |
| SKNR3015-4R7 | 4.7        | M、N                  | 100/1                 | 0.163              | 1100               | 1400 | 1090                     | 1300 |
| SKNB3015-5R1 | 5.1        | M、N                  | 100/1                 | 0.173              | 1000               | 1200 | 1050                     | 1200 |



## SKNR Series

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|--------------|------------|----------------------|--------------------|--------------------|--------------------|------|--------------------------|------|
|              | L          | -                    | Freq               | DCR                | Isat               |      | Irms                     |      |
|              | μH         | -                    | kHz/V              | Ω                  | Max.               | Typ. | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V              | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR3015-6R2 | 6.2        | M、N                  | 100/1              | 0.254              | 1000               | 1200 | 860                      | 1000 |
| SKNR3015-6R8 | 6.8        | M、N                  | 100/1              | 0.26               | 850                | 1100 | 850                      | 1100 |
| SKNR3015-100 | 10         | M、N                  | 100/1              | 0.325              | 720                | 920  | 700                      | 900  |
| SKNR3015-120 | 12         | M、N                  | 100/1              | 0.416              | 700                | 900  | 680                      | 890  |
| SKNR3015-150 | 15         | M、N                  | 100/1              | 0.455              | 660                | 880  | 650                      | 720  |
| SKNR3015-180 | 18         | M、N                  | 100/1              | 0.559              | 560                | 720  | 590                      | 720  |
| SKNR3015-220 | 22         | M、N                  | 100/1              | 0.598              | 520                | 680  | 570                      | 690  |
| SKNR3015-270 | 27         | M、N                  | 100/1              | 0.949              | 480                | 560  | 450                      | 560  |
| SKNR3015-330 | 33         | M、N                  | 100/1              | 1,066              | 440                | 530  | 430                      | 510  |
| SKNR3015-390 | 39         | M、N                  | 100/1              | 1.294              | 410                | 550  | 390                      | 440  |
| SKNR3015-430 | 43         | M、N                  | 100/1              | 1.378              | 370                | 430  | 370                      | 480  |
| SKNR3015-470 | 47         | M、N                  | 100/1              | 1.625              | 350                | 430  | 350                      | 440  |
| SKNR3015-560 | 56         | M、N                  | 100/1              | 1.664              | 330                | 420  | 340                      | 410  |

### SKNR3015H TYPE

| Part Number   | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |       | Temperature Rise Current |      |
|---------------|------------|----------------------|--------------------|--------------------|--------------------|-------|--------------------------|------|
|               | L          | -                    | Freq               | DCR                | Isat               |       | Irms                     |      |
|               | μH         | -                    | MHz/V              | Ω                  | Max.               | Typ.  | Max.                     | Typ. |
| Units         | μH         | -                    | MHz/V              | Ω                  | mA                 | mA    | mA                       | mA   |
| SKNR3015H-R22 | 0.22       | N                    | 1/1                | 0.019              | 8800               | 11000 | 5200                     | 6000 |
| SKNR3015H-R33 | 0.33       | N                    | 1/1                | 0.021              | 8000               | 10000 | 5000                     | 6000 |
| SKNR3015H-R47 | 0.47       | N                    | 1/1                | 0.026              | 7600               | 9500  | 4600                     | 5200 |
| SKNR3015H-R68 | 0.68       | N                    | 1/1                | 0.037              | 7000               | 8300  | 4000                     | 4600 |
| SKNR3015H-1R0 | 1.0        | N                    | 1/1                | 0.048              | 5800               | 7000  | 3500                     | 4000 |
| SKNR3015H-2R2 | 2.2        | N                    | 1/1                | 0.095              | 3700               | 4600  | 2200                     | 2700 |
| SKNR3015H-3R3 | 3.3        | M、N                  | 1/1                | 0.150              | 3400               | 3400  | 2000                     | 2500 |
| SKNR3015H-4R7 | 4.7        | M、N                  | 1/1                | 0.185              | 2500               | 3000  | 1700                     | 2000 |
| SKNR3015H-6R8 | 6.8        | M、N                  | 1/1                | 0.320              | 2000               | 2400  | 1200                     | 1350 |
| SKNR3015H-100 | 10         | M、N                  | 1/1                | 0.450              | 1600               | 2000  | 1100                     | 1250 |



### SKNR4012 TYPE

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|--------------|------------|----------------------|--------------------|--------------------|--------------------|------|--------------------------|------|
|              | L          | -                    | Freq               | DCR                | Isat               |      | Irms                     |      |
|              |            |                      |                    |                    | Max.               | Typ. | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V              | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR4012-R82 | 0.82       | N                    | 100/1              | 0.065              | 3020               | 3300 | 1650                     | 2500 |
| SKNR4012-1R0 | 1.0        | N                    | 100/1              | 0.065              | 2610               | 3200 | 1650                     | 2500 |
| SKNR4012-1R5 | 1.5        | N                    | 100/1              | 0.085              | 2100               | 2700 | 1460                     | 2200 |
| SKNR4012-1R8 | 1.8        | N                    | 100/1              | 0.104              | 2120               | 2600 | 1320                     | 1900 |
| SKNR4012-2R2 | 2.2        | N                    | 100/1              | 0.104              | 1960               | 2300 | 1320                     | 1900 |
| SKNR4012-2R7 | 2.7        | N                    | 100/1              | 0.117              | 1900               | 2300 | 1250                     | 1700 |
| SKNR4012-3R3 | 3.3        | N                    | 100/1              | 0.143              | 1720               | 2100 | 1120                     | 1600 |
| SKNR4012-3R6 | 3.6        | N                    | 100/1              | 0.143              | 1700               | 1800 | 1120                     | 1600 |
| SKNR4012-4R3 | 4.3        | N                    | 100/1              | 0.162              | 1580               | 1800 | 1000                     | 1500 |
| SKNR4012-4R7 | 4.7        | N                    | 100/1              | 0.163              | 1550               | 1800 | 1050                     | 1500 |
| SKNR4012-5R1 | 5.1        | N                    | 100/1              | 0.201              | 1550               | 1600 | 1050                     | 1500 |
| SKNR4012-5R6 | 5.6        | N                    | 100/1              | 0.230              | 1000               | 1600 | 1000                     | 1200 |
| SKNR4012-6R8 | 6.8        | M、N                  | 100/1              | 0.257              | 850                | 1400 | 840                      | 1200 |
| SKNR4012-100 | 10         | M、N                  | 100/1              | 0.345              | 800                | 1100 | 770                      | 1000 |
| SKNR4012-120 | 12         | M、N                  | 100/1              | 0.377              | 660                | 1000 | 700                      | 950  |
| SKNR4012-150 | 15         | M、N                  | 100/1              | 0.442              | 560                | 800  | 640                      | 850  |
| SKNR4012-180 | 18         | M、N                  | 100/1              | 0.611              | 550                | 750  | 550                      | 800  |
| SKNR4012-220 | 22         | M、N                  | 100/1              | 0.763              | 460                | 700  | 490                      | 750  |
| SKNR4012-270 | 27         | M、N                  | 100/1              | 0.936              | 450                | 700  | 450                      | 600  |
| SKNR4012-330 | 33         | M、N                  | 100/1              | 1.053              | 420                | 600  | 420                      | 580  |
| SKNR4012-360 | 36         | M、N                  | 100/1              | 1.170              | 400                | 560  | 400                      | 560  |
| SKNR4012-390 | 39         | M、N                  | 100/1              | 1.430              | 350                | 550  | 370                      | 500  |
| SKNR4012-470 | 47         | M、N                  | 100/1              | 1.430              | 350                | 500  | 370                      | 500  |
| SKNR4012-560 | 56         | M、N                  | 100/1              | 1.625              | 330                | 450  | 330                      | 460  |
| SKNR4012-680 | 68         | M、N                  | 100/1              | 2.535              | 330                | 450  | 270                      | 450  |
| SKNR4012-820 | 82         | M、N                  | 100/1              | 2.782              | 280                | 400  | 260                      | 360  |
| SKNR4012-101 | 100        | M、N                  | 100/1              | 2.783              | 250                | 300  | 250                      | 350  |



## SKNR4018 TYPE

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|--------------|------------|----------------------|--------------------|--------------------|--------------------|------|--------------------------|------|
|              | L          | -                    | Freq               | DCR                | Isat               |      | Irms                     |      |
|              |            |                      |                    |                    | Max.               | Typ. | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V              | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR4018-R47 | 0.47       | N                    | 100/1              | 0.018              | 5300               | 5700 | 4000                     | 4500 |
| SKNR4018-R68 | 0.68       | N                    | 100/1              | 0.028              | 4900               | 5600 | 3300                     | 3800 |
| SKNR4018-1R0 | 1.0        | N                    | 100/1              | 0.033              | 4800               | 5200 | 2000                     | 3300 |
| SKNR4018-1R5 | 1.5        | N                    | 100/1              | 0.039              | 3350               | 4000 | 2000                     | 3200 |
| SKNR4018-1R8 | 1.8        | N                    | 100/1              | 0.044              | 3000               | 3400 | 2000                     | 2800 |
| SKNR4018-2R2 | 2.2        | M、N                  | 100/1              | 0.059              | 2700               | 3200 | 1650                     | 2600 |
| SKNR4018-3R3 | 3.3        | M、N                  | 100/1              | 0.091              | 2450               | 3000 | 1230                     | 2200 |
| SKNR4018-4R7 | 4.7        | M、N                  | 100/1              | 0.117              | 1700               | 2200 | 1200                     | 1800 |
| SKNR4018-6R8 | 6.8        | M、N                  | 100/1              | 0.143              | 1450               | 2000 | 1060                     | 1500 |
| SKNR4018-100 | 10         | M、N                  | 100/1              | 0.234              | 1300               | 1600 | 840                      | 1200 |
| SKNR4018-150 | 15         | M、N                  | 100/1              | 0.325              | 940                | 1100 | 650                      | 1000 |
| SKNR4018-220 | 22         | M、N                  | 100/1              | 0.468              | 800                | 900  | 590                      | 850  |
| SKNR4018-330 | 33         | M、N                  | 100/1              | 0.689              | 570                | 750  | 490                      | 720  |
| SKNR4018-470 | 47         | M、N                  | 100/1              | 0.845              | 560                | 700  | 420                      | 650  |
| SKNR4018-680 | 68         | M、N                  | 100/1              | 1.300              | 470                | 510  | 320                      | 520  |
| SKNR4018-101 | 100        | M、N                  | 100/1              | 2.275              | 400                | 440  | 250                      | 410  |

## SKNR4020 TYPE

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |       | Temperature Rise Current |      |
|--------------|------------|----------------------|--------------------|--------------------|--------------------|-------|--------------------------|------|
|              | L          | -                    | Freq               | DCR                | Isat               |       | Irms                     |      |
|              |            |                      |                    |                    | Max.               | Typ.  | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V              | Ω                  | mA                 | mA    | mA                       | mA   |
| SKNR4020-R24 | 0.24       | N                    | 100/1              | 0.014              | 10500              | 12500 | 4500                     | 5200 |
| SKNR4020-R33 | 0.33       | N                    | 100/1              | 0.016              | 7500               | 8500  | 3300                     | 4900 |
| SKNR4020-R47 | 0.47       | N                    | 100/1              | 0.029              | 7000               | 7500  | 3300                     | 3700 |
| SKNR4020-R68 | 0.68       | N                    | 100/1              | 0.036              | 6400               | 6600  | 2800                     | 3300 |
| SKNR4020-1R0 | 1.0        | N                    | 100/1              | 0.038              | 5150               | 5600  | 2150                     | 3200 |
| SKNR4020-1R2 | 1.2        | N                    | 100/1              | 0.038              | 5100               | 5600  | 2080                     | 3200 |
| SKNR4020-1R5 | 1.5        | N                    | 100/1              | 0.046              | 4450               | 4900  | 1980                     | 3000 |



## SKNR Series

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|--------------|------------|----------------------|--------------------|--------------------|--------------------|------|--------------------------|------|
|              | L          | -                    | Freq               | DCR                | Isat               |      | Irms                     |      |
|              | μH         | -                    | kHz/V              | Ω                  | Max.               | Typ. | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V              | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR4020-2R2 | 2.2        | N                    | 100/1              | 0.052              | 3400               | 3700 | 1850                     | 2800 |
| SKNR4020-3R3 | 3.3        | M、N                  | 100/1              | 0.091              | 3200               | 3500 | 1400                     | 2500 |
| SKNR4020-3R6 | 3.6        | M、N                  | 100/1              | 0.092              | 2800               | 3000 | 1540                     | 2500 |
| SKNR4020-4R7 | 4.7        | M、N                  | 100/1              | 0.098              | 2350               | 2500 | 1340                     | 2000 |
| SKNR4020-5R1 | 5.1        | M、N                  | 100/1              | 0.111              | 2300               | 2500 | 1270                     | 1800 |
| SKNR4020-5R6 | 5.6        | M、N                  | 100/1              | 0.117              | 2200               | 2400 | 1220                     | 1800 |
| SKNR4020-6R2 | 6.2        | M、N                  | 100/1              | 0.150              | 2150               | 2400 | 1080                     | 1600 |
| SKNR4020-6R8 | 6.8        | M、N                  | 100/1              | 0.163              | 2150               | 2400 | 1080                     | 1600 |
| SKNR4020-7R5 | 7.5        | M、N                  | 100/1              | 0.170              | 1850               | 2000 | 1040                     | 1500 |
| SKNR4020-8R2 | 8.2        | M、N                  | 100/1              | 0.183              | 1750               | 1900 | 1040                     | 1400 |
| SKNR4020-100 | 10         | M、N                  | 100/1              | 0.215              | 1600               | 1700 | 900                      | 1200 |
| SKNR4020-120 | 12         | M、N                  | 100/1              | 0.228              | 1500               | 1600 | 880                      | 1200 |
| SKNR4020-150 | 15         | M、N                  | 100/1              | 0.299              | 1350               | 1500 | 770                      | 1100 |
| SKNR4020-220 | 22         | M、N                  | 100/1              | 0.455              | 1050               | 1100 | 620                      | 870  |
| SKNR4020-270 | 27         | M、N                  | 100/1              | 0.709              | 1020               | 1100 | 500                      | 700  |
| SKNR4020-330 | 33         | M、N                  | 100/1              | 0.715              | 850                | 930  | 490                      | 680  |
| SKNR4020-390 | 39         | M、N                  | 100/1              | 0.845              | 820                | 900  | 460                      | 640  |
| SKNR4020-430 | 43         | M、N                  | 100/1              | 0.858              | 770                | 850  | 450                      | 630  |
| SKNR4020-470 | 47         | M、N                  | 100/1              | 0.923              | 740                | 810  | 440                      | 610  |
| SKNR4020-510 | 51         | M、N                  | 100/1              | 0.975              | 700                | 770  | 420                      | 590  |
| SKNR4020-560 | 56         | M、N                  | 100/1              | 1.040              | 660                | 720  | 410                      | 570  |
| SKNR4020-620 | 62         | M、N                  | 100/1              | 1.170              | 650                | 710  | 390                      | 520  |
| SKNR4020-680 | 68         | M、N                  | 100/1              | 1.380              | 610                | 670  | 360                      | 500  |
| SKNR4020-750 | 75         | M、N                  | 100/1              | 1.510              | 600                | 670  | 350                      | 490  |
| SKNR4020-820 | 82         | M、N                  | 100/1              | 1.520              | 500                | 550  | 340                      | 470  |
| SKNR4020-101 | 100        | M、N                  | 100/1              | 2.020              | 480                | 530  | 310                      | 430  |



### SKNR4030 TYPE

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|--------------|------------|----------------------|--------------------|--------------------|--------------------|------|--------------------------|------|
|              | L          | -                    | Freq               | DCR                | Isat               |      | Irms                     |      |
|              |            |                      |                    |                    | Max.               | Typ. | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V              | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR4030-R68 | 0.68       | N                    | 100/1              | 0.013              | 6800               | 8000 | 4560                     | 5100 |
| SKNR4030-R91 | 0.91       | N                    | 100/1              | 0.017              | 6250               | 6800 | 4150                     | 4700 |
| SKNR4030-1R0 | 1.0        | N                    | 100/1              | 0.018              | 5860               | 6400 | 4150                     | 4700 |
| SKNR4030-1R2 | 1.2        | N                    | 100/1              | 0.020              | 5800               | 6300 | 3820                     | 4200 |
| SKNR4030-1R5 | 1.5        | N                    | 100/1              | 0.026              | 5480               | 5800 | 3340                     | 3600 |
| SKNR4030-1R8 | 1.8        | N                    | 100/1              | 0.033              | 5400               | 5800 | 3200                     | 3300 |
| SKNR4030-2R2 | 2.2        | N                    | 100/1              | 0.039              | 4900               | 5800 | 2950                     | 3200 |
| SKNR4030-3R3 | 3.3        | M、N                  | 100/1              | 0.052              | 3300               | 3600 | 2400                     | 2600 |
| SKNR4030-3R6 | 3.6        | M、N                  | 100/1              | 0.052              | 3000               | 3500 | 2400                     | 2600 |
| SKNR4030-3R9 | 3.9        | M、N                  | 100/1              | 0.074              | 3000               | 3300 | 2100                     | 2300 |
| SKNR4030-4R3 | 4.3        | M、N                  | 100/1              | 0.076              | 2950               | 3200 | 2100                     | 2300 |
| SKNR4030-4R7 | 4.7        | M、N                  | 100/1              | 0.078              | 2900               | 3200 | 2000                     | 2300 |
| SKNR4030-5R6 | 5.6        | M、N                  | 100/1              | 0.085              | 2750               | 3000 | 1950                     | 2100 |
| SKNR4030-6R8 | 6.8        | M、N                  | 100/1              | 0.117              | 2600               | 3000 | 1700                     | 1800 |
| SKNR4030-7R5 | 7.5        | M、N                  | 100/1              | 0.117              | 2200               | 2400 | 1650                     | 1800 |
| SKNR4030-8R2 | 8.2        | M、N                  | 100/1              | 0.117              | 2100               | 2400 | 1600                     | 1700 |
| SKNR4030-100 | 10         | M、N                  | 100/1              | 0.130              | 1950               | 2400 | 1500                     | 1600 |
| SKNR4030-120 | 12         | M、N                  | 100/1              | 0.175              | 1700               | 1800 | 1300                     | 1400 |
| SKNR4030-150 | 15         | M、N                  | 100/1              | 0.247              | 1650               | 1800 | 1110                     | 1200 |
| SKNR4030-180 | 18         | M、N                  | 100/1              | 0.260              | 1400               | 1500 | 1100                     | 1200 |
| SKNR4030-220 | 22         | M、N                  | 100/1              | 0.292              | 1300               | 1400 | 1000                     | 1200 |
| SKNR4030-270 | 27         | M、N                  | 100/1              | 0.338              | 1150               | 1350 | 900                      | 1050 |
| SKNR4030-330 | 33         | M、N                  | 100/1              | 0.429              | 1100               | 1200 | 840                      | 920  |
| SKNR4030-360 | 36         | M、N                  | 100/1              | 0.436              | 1050               | 1100 | 830                      | 910  |
| SKNR4030-390 | 39         | M、N                  | 100/1              | 0.566              | 1030               | 1100 | 730                      | 800  |
| SKNR4030-470 | 47         | M、N                  | 100/1              | 0.579              | 950                | 1000 | 720                      | 800  |
| SKNR4030-510 | 51         | M、N                  | 100/1              | 0.611              | 900                | 1000 | 700                      | 800  |
| SKNR4030-560 | 56         | M、N                  | 100/1              | 0.722              | 850                | 990  | 650                      | 710  |
| SKNR4030-620 | 62         | M、N                  | 100/1              | 0.761              | 800                | 990  | 630                      | 700  |



## SKNR Series

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|--------------|------------|----------------------|--------------------|--------------------|--------------------|------|--------------------------|------|
|              |            |                      |                    |                    | Isat               |      | Irms                     |      |
|              | L          | -                    | Freq               | DCR                | Max.               | Typ. | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V              | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR4030-680 | 68         | M、N                  | 100/1              | 1.128              | 720                | 880  | 520                      | 570  |
| SKNR4030-750 | 75         | M、N                  | 100/1              | 1.326              | 700                | 880  | 480                      | 530  |
| SKNR4030-820 | 82         | M、N                  | 100/1              | 1.378              | 660                | 730  | 470                      | 520  |
| SKNR4030-910 | 91         | M、N                  | 100/1              | 1.430              | 650                | 730  | 460                      | 500  |
| SKNR4030-101 | 100        | M、N                  | 100/1              | 1.495              | 600                | 730  | 450                      | 490  |
| SKNR4030-121 | 120        | M、N                  | 100/1              | 1.755              | 550                | 600  | 420                      | 460  |
| SKNR4030-151 | 150        | M、N                  | 100/1              | 2.340              | 500                | 600  | 300                      | 410  |
| SKNR4030-221 | 220        | M、N                  | 100/1              | 3.250              | 400                | 500  | 350                      | 400  |
| SKNR4030-331 | 330        | M、N                  | 100/1              | 5.200              | 300                | 400  | 250                      | 260  |
| SKNR4030-471 | 470        | M、N                  | 100/1              | 9.360              | 300                | 350  | 200                      | 210  |
| SKNR4030-501 | 500        | M、N                  | 100/1              | 9.027              | 280                | 300  | 150                      | 200  |
| SKNR4030-681 | 680        | M、N                  | 100/1              | 9.854              | 190                | 230  | 140                      | 190  |

### SKNR5020 TYPE

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |       | Temperature Rise Current |      |
|--------------|------------|----------------------|--------------------|--------------------|--------------------|-------|--------------------------|------|
|              |            |                      |                    |                    | Isat               |       | Irms                     |      |
|              | L          | -                    | Freq               | DCR                | Max.               | Typ.  | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V              | Ω                  | mA                 | mA    | mA                       | mA   |
| SKNR5020-R22 | 0.22       | N                    | 100/1              | 0.011              | 9000               | 12000 | 5300                     | 6000 |
| SKNR5020-R24 | 0.24       | N                    | 100/1              | 0.011              | 8000               | 10000 | 4800                     | 6000 |
| SKNR5020-R47 | 0.47       | N                    | 100/1              | 0.013              | 6150               | 6700  | 4600                     | 5000 |
| SKNR5020-R68 | 0.68       | N                    | 100/1              | 0.017              | 5500               | 6000  | 4000                     | 4400 |
| SKNR5020-R75 | 0.75       | N                    | 100/1              | 0.022              | 5500               | 6000  | 4000                     | 4400 |
| SKNR5020-1R0 | 1.0        | N                    | 100/1              | 0.026              | 4500               | 5000  | 3800                     | 4100 |
| SKNR5020-1R2 | 1.2        | N                    | 100/1              | 0.026              | 4100               | 4900  | 3550                     | 3900 |
| SKNR5020-1R5 | 1.5        | N                    | 100/1              | 0.034              | 4100               | 4500  | 3200                     | 3500 |
| SKNR5020-2R2 | 2.2        | N                    | 100/1              | 0.042              | 3200               | 4000  | 2900                     | 3100 |
| SKNR5020-2R7 | 2.7        | N                    | 100/1              | 0.049              | 2900               | 3500  | 2700                     | 2900 |
| SKNR5020-3R0 | 3.0        | N                    | 100/1              | 0.049              | 2550               | 2800  | 2700                     | 2900 |
| SKNR5020-3R3 | 3.3        | N                    | 100/1              | 0.056              | 2550               | 3000  | 2500                     | 2700 |
| SKNR5020-3R6 | 3.6        | N                    | 100/1              | 0.056              | 2800               | 3000  | 2500                     | 2700 |



## SKNR Series

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|--------------|------------|----------------------|--------------------|--------------------|--------------------|------|--------------------------|------|
|              | L          | -                    | Freq               | DCR                | Isat               |      | Irms                     |      |
|              |            |                      |                    |                    | Max.               | Typ. | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V              | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR5020-3R9 | 3.9        | N                    | 100/1              | 0.056              | 2500               | 2800 | 2500                     | 2700 |
| SKNR5020-4R3 | 4.3        | M、N                  | 100/1              | 0.057              | 2500               | 3000 | 2200                     | 2400 |
| SKNR5020-4R7 | 4.7        | M、N                  | 100/1              | 0.074              | 2500               | 2700 | 2200                     | 2400 |
| SKNR5020-5R1 | 5.1        | M、N                  | 100/1              | 0.064              | 2350               | 2600 | 2050                     | 2200 |
| SKNR5020-5R6 | 5.6        | M、N                  | 100/1              | 0.083              | 2300               | 2500 | 2050                     | 2200 |
| SKNR5020-6R8 | 6.8        | M、N                  | 100/1              | 0.108              | 2050               | 2200 | 1800                     | 1900 |
| SKNR5020-7R5 | 7.5        | M、N                  | 100/1              | 0.117              | 1850               | 2000 | 1750                     | 1900 |
| SKNR5020-8R2 | 8.2        | M、N                  | 100/1              | 0.127              | 1850               | 2000 | 1650                     | 1800 |
| SKNR5020-9R1 | 9.1        | M、N                  | 100/1              | 0.143              | 1700               | 1800 | 1550                     | 1700 |
| SKNR5020-100 | 10         | M、N                  | 100/1              | 0.143              | 1700               | 1800 | 1550                     | 1700 |
| SKNR5020-120 | 12         | M、N                  | 100/1              | 0.182              | 1500               | 1600 | 1400                     | 1500 |
| SKNR5020-150 | 15         | M、N                  | 100/1              | 0.215              | 1350               | 1400 | 1250                     | 1300 |
| SKNR5020-180 | 18         | M、N                  | 100/1              | 0.26               | 1250               | 1300 | 1150                     | 1200 |
| SKNR5020-220 | 22         | M、N                  | 100/1              | 0.294              | 1150               | 1200 | 1100                     | 1200 |
| SKNR5020-330 | 33         | M、N                  | 100/1              | 0.507              | 920                | 1000 | 900                      | 990  |
| SKNR5020-470 | 47         | M、N                  | 100/1              | 0.68               | 770                | 840  | 770                      | 840  |
| SKNR5020-560 | 56         | M、N                  | 100/1              | 0.819              | 770                | 840  | 700                      | 770  |
| SKNR5020-680 | 68         | M、N                  | 100/1              | 0.962              | 650                | 700  | 640                      | 700  |
| SKNR5020-101 | 100        | M、N                  | 100/1              | 1.43               | 530                | 580  | 500                      | 580  |

### SKNR5040 TYPE

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|--------------|------------|----------------------|--------------------|--------------------|--------------------|------|--------------------------|------|
|              | L          | -                    | Freq               | DCR                | Isat               |      | Irms                     |      |
|              |            |                      |                    |                    | Max.               | Typ. | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V              | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR5040-R47 | 0.47       | N                    | 100/1              | 0.010              | 8000               | 8500 | 6000                     | 6100 |
| SKNR5040-R68 | 0.68       | N                    | 100/1              | 0.011              | 7600               | 8000 | 5400                     | 5500 |
| SKNR5040-1R0 | 1          | N                    | 100/1              | 0.016              | 7350               | 8000 | 4900                     | 5000 |
| SKNR5040-1R2 | 1.2        | N                    | 100/1              | 0.021              | 6500               | 7000 | 4150                     | 4250 |
| SKNR5040-1R5 | 1.5        | N                    | 100/1              | 0.021              | 6300               | 6800 | 4150                     | 4850 |
| SKNR5040-1R8 | 1.8        | N                    | 100/1              | 0.021              | 5500               | 6050 | 4150                     | 4300 |



## SKNR Series

| Part Number       | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|-------------------|------------|----------------------|--------------------|--------------------|--------------------|------|--------------------------|------|
|                   |            |                      |                    |                    | Isat               |      | Irms                     |      |
| Units             | μH         | -                    | Freq               | DCR                | Max.               | Typ. | Max.                     | Typ. |
| SKNR5040-2R2      | 2.2        | M、N                  | 100/1              | 0.025              | 4900               | 5500 | 3800                     | 4200 |
| SKNR5040-2R2/6.4A | 2.2        | M、N                  | 100/1              | 0.028              | 6400               | 7200 | 4700                     | 5400 |
| SKNR5040-2R7      | 2.7        | M、N                  | 100/1              | 0.029              | 4300               | 4800 | 3600                     | 4000 |
| SKNR5040-3R0      | 3          | M、N                  | 100/1              | 0.029              | 4150               | 4600 | 3600                     | 4000 |
| SKNR5040-3R3      | 3.3        | M、N                  | 100/1              | 0.031              | 3950               | 4450 | 3400                     | 3900 |
| SKNR5040-3R3/5.2A | 3.3        | M、N                  | 100/1              | 0.035              | 5200               | 5800 | 4200                     | 4850 |
| SKNR5040-3R9      | 3.9        | M、N                  | 100/1              | 0.035              | 3550               | 4000 | 3200                     | 3700 |
| SKNR5040-4R7      | 4.7        | M、N                  | 100/1              | 0.039              | 3500               | 3800 | 3000                     | 3300 |
| SKNR5040-5R6      | 5.6        | M、N                  | 100/1              | 0.046              | 3000               | 3700 | 2800                     | 3100 |
| SKNR5040-6R8      | 6.8        | M、N                  | 100/1              | 0.056              | 2900               | 3400 | 2500                     | 2800 |
| SKNR5040-8R2      | 8.2        | M、N                  | 100/1              | 0.062              | 2700               | 2900 | 2300                     | 2600 |
| SKNR5040-100      | 10         | M、N                  | 100/1              | 0.083              | 2350               | 2700 | 2100                     | 2350 |
| SKNR5040-100/2.4A | 10         | M、N                  | 100/1              | 0.093              | 2400               | 2700 | 2050                     | 2350 |
| SKNR5040-150      | 15         | M、N                  | 100/1              | 0.112              | 2000               | 2200 | 2000                     | 2050 |
| SKNR5040-220      | 22         | M、N                  | 100/1              | 0.168              | 1600               | 1800 | 1500                     | 1600 |
| SKNR5040-220/2.0A | 22         | M、N                  | 100/1              | 0.163              | 2000               | 2200 | 1800                     | 2000 |
| SKNR5040-330      | 33         | M、N                  | 100/1              | 0.244              | 1300               | 1450 | 1200                     | 1350 |
| SKNR5040-470      | 47         | M、N                  | 100/1              | 0.354              | 1100               | 1200 | 1000                     | 1150 |
| SKNR5040-680      | 68         | M、N                  | 100/1              | 0.52               | 900                | 1000 | 800                      | 900  |
| SKNR5040-101      | 100        | M、N                  | 100/1              | 0.728              | 750                | 850  | 700                      | 780  |
| SKNR5040-151      | 150        | M、N                  | 100/1              | 0.975              | 650                | 670  | 600                      | 700  |
| SKNR5040-331      | 330        | M、N                  | 100/1              | 2.73               | 420                | 470  | 400                      | 500  |
| SKNR5040-681      | 680        | M、N                  | 100/1              | 5.07               | 300                | 350  | 250                      | 300  |
| SKNR5040-102      | 1000       | M、N                  | 100/1              | 13.18              | 200                | 250  | 200                      | 250  |

### SKNR6020 TYPE

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|--------------|------------|----------------------|--------------------|--------------------|--------------------|------|--------------------------|------|
|              |            |                      |                    |                    | Isat               |      | Irms                     |      |
| Units        | μH         | -                    | Freq               | DCR                | Max.               | Typ. | Max.                     | Typ. |
| SKNR6020-R50 | 0.5        | N                    | 100/1              | 0.018              | 6550               | 8000 | 4000                     | 5000 |
| SKNR6020-R68 | 0.68       | N                    | 100/1              | 0.022              | 6550               | 7800 | 3800                     | 4800 |
| SKNR6020-R82 | 0.82       | N                    | 100/1              | 0.022              | 5300               | 7000 | 3800                     | 4800 |

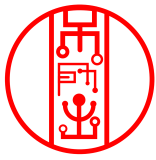


## SKNR Series

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|--------------|------------|----------------------|--------------------|--------------------|--------------------|------|--------------------------|------|
|              |            |                      |                    |                    | Isat               |      | Irms                     |      |
|              | L          | -                    | Freq               | DCR                | Max.               | Typ. | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V              | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR6020-1R0 | 1          | N                    | 100/1              | 0.025              | 5150               | 7000 | 3500                     | 4400 |
| SKNR6020-1R2 | 1.2        | N                    | 100/1              | 0.029              | 4590               | 6500 | 3200                     | 4000 |
| SKNR6020-1R5 | 1.5        | N                    | 100/1              | 0.029              | 4250               | 5800 | 3200                     | 4000 |
| SKNR6020-1R8 | 1.8        | N                    | 100/1              | 0.036              | 4250               | 5800 | 2750                     | 3500 |
| SKNR6020-2R0 | 2          | N                    | 100/1              | 0.046              | 4100               | 4900 | 2600                     | 3300 |
| SKNR6020-2R2 | 2.2        | N                    | 100/1              | 0.046              | 3750               | 4500 | 2600                     | 3500 |
| SKNR6020-2R7 | 2.7        | N                    | 100/1              | 0.046              | 3500               | 4600 | 2600                     | 3300 |
| SKNR6020-3R3 | 3.3        | N                    | 100/1              | 0.046              | 3250               | 3700 | 2600                     | 3300 |
| SKNR6020-3R9 | 3.9        | N                    | 100/1              | 0.064              | 3150               | 3900 | 2100                     | 2600 |
| SKNR6020-4R3 | 4.3        | N                    | 100/1              | 0.064              | 2700               | 3600 | 2100                     | 2600 |
| SKNR6020-4R7 | 4.7        | N                    | 100/1              | 0.075              | 2600               | 3600 | 2000                     | 2500 |
| SKNR6020-5R6 | 5.6        | N                    | 100/1              | 0.075              | 2400               | 2900 | 1900                     | 2400 |
| SKNR6020-6R2 | 6.2        | N                    | 100/1              | 0.103              | 2300               | 2700 | 1800                     | 2300 |
| SKNR6020-6R8 | 6.8        | N                    | 100/1              | 0.103              | 2200               | 2600 | 1800                     | 2300 |
| SKNR6020-8R2 | 8.2        | N                    | 100/1              | 0.137              | 2100               | 2500 | 1400                     | 1800 |
| SKNR6020-100 | 10         | M、N                  | 100/1              | 0.137              | 1750               | 2100 | 1400                     | 1800 |
| SKNR6020-120 | 12         | M、N                  | 100/1              | 0.156              | 1450               | 1700 | 1300                     | 1600 |
| SKNR6020-150 | 15         | M、N                  | 100/1              | 0.189              | 1200               | 1400 | 1200                     | 1500 |
| SKNR6020-180 | 18         | M、N                  | 100/1              | 0.234              | 1200               | 1400 | 1080                     | 1400 |
| SKNR6020-220 | 22         | M、N                  | 100/1              | 0.265              | 1050               | 1200 | 1000                     | 1300 |
| SKNR6020-330 | 33         | M、N                  | 100/1              | 0.390              | 950                | 1100 | 840                      | 1050 |
| SKNR6020-470 | 47         | M、N                  | 100/1              | 0.559              | 700                | 900  | 800                      | 900  |
| SKNR6020-331 | 330        | M、N                  | 100/1              | 3.419              | 270                | 330  | 330                      | 390  |

### SKNR6028 TYPE

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|--------------|------------|----------------------|--------------------|--------------------|--------------------|------|--------------------------|------|
|              |            |                      |                    |                    | Isat               |      | Irms                     |      |
|              | L          | -                    | Freq               | DCR                | Max.               | Typ. | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V              | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR6028-R82 | 0.82       | N                    | 100/1              | 0.016              | 6500               | 9000 | 5200                     | 6000 |
| SKNR6028-1R0 | 1.0        | N                    | 100/1              | 0.017              | 6500               | 7500 | 5200                     | 5700 |
| SKNR6028-1R2 | 1.2        | N                    | 100/1              | 0.017              | 6400               | 7500 | 4580                     | 5000 |



## SKNR Series

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|--------------|------------|----------------------|--------------------|--------------------|--------------------|------|--------------------------|------|
|              |            |                      |                    |                    | Isat               |      | Irms                     |      |
|              | L          | -                    | Freq               | DCR                | Max.               | Typ. | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V              | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR6028-1R5 | 1.5        | N                    | 100/1              | 0.017              | 6000               | 6600 | 4580                     | 5000 |
| SKNR6028-2R2 | 2.2        | N                    | 100/1              | 0.026              | 5100               | 5600 | 3750                     | 4100 |
| SKNR6028-2R7 | 2.7        | N                    | 100/1              | 0.026              | 3800               | 4500 | 3750                     | 4100 |
| SKNR6028-3R3 | 3.3        | N                    | 100/1              | 0.033              | 3750               | 4500 | 3480                     | 3800 |
| SKNR6028-4R7 | 4.7        | N                    | 100/1              | 0.039              | 3200               | 3500 | 3080                     | 3400 |
| SKNR6028-5R1 | 5.1        | N                    | 100/1              | 0.056              | 3200               | 3500 | 2600                     | 2800 |
| SKNR6028-6R2 | 6.2        | M、N                  | 100/1              | 0.061              | 3050               | 3300 | 2400                     | 2600 |
| SKNR6028-6R8 | 6.8        | M、N                  | 100/1              | 0.061              | 2600               | 3000 | 2400                     | 2600 |
| SKNR6028-8R2 | 8.2        | M、N                  | 100/1              | 0.072              | 2300               | 2800 | 2250                     | 2500 |
| SKNR6028-9R1 | 9.1        | M、N                  | 100/1              | 0.092              | 2250               | 2800 | 2150                     | 2400 |
| SKNR6028-100 | 10         | M、N                  | 100/1              | 0.094              | 2040               | 2500 | 1950                     | 2400 |
| SKNR6028-120 | 12         | M、N                  | 100/1              | 0.104              | 1800               | 2000 | 1850                     | 2000 |
| SKNR6028-150 | 15         | M、N                  | 100/1              | 0.153              | 1750               | 1900 | 1450                     | 1600 |
| SKNR6028-180 | 18         | M、N                  | 100/1              | 0.156              | 1520               | 1800 | 1450                     | 1600 |
| SKNR6028-220 | 22         | M、N                  | 100/1              | 0.182              | 1500               | 1800 | 1400                     | 1600 |
| SKNR6028-270 | 27         | M、N                  | 100/1              | 0.202              | 1500               | 1600 | 1320                     | 1400 |
| SKNR6028-330 | 33         | M、N                  | 100/1              | 0.241              | 1350               | 1500 | 1220                     | 1300 |
| SKNR6028-360 | 36         | M、N                  | 100/1              | 0.280              | 1250               | 1400 | 1130                     | 1200 |
| SKNR6028-390 | 39         | M、N                  | 100/1              | 0.293              | 1250               | 1400 | 1100                     | 1200 |
| SKNR6028-470 | 47         | M、N                  | 100/1              | 0.410              | 1150               | 1300 | 1060                     | 1100 |
| SKNR6028-560 | 56         | M、N                  | 100/1              | 0.449              | 1050               | 1200 | 890                      | 1000 |
| SKNR6028-680 | 68         | M、N                  | 100/1              | 0.468              | 900                | 990  | 860                      | 950  |
| SKNR6028-750 | 75         | M、N                  | 100/1              | 0.533              | 900                | 990  | 810                      | 900  |
| SKNR6028-820 | 82         | M、N                  | 100/1              | 0.650              | 800                | 880  | 700                      | 770  |
| SKNR6028-101 | 100        | M、N                  | 100/1              | 0.650              | 650                | 710  | 700                      | 770  |
| SKNR6028-401 | 400        | M、N                  | 100/1              | 2.808              | 300                | 330  | 400                      | 450  |
| SKNR6028-102 | 1000       | M、N                  | 100/1              | 7.540              | 180                | 220  | 230                      | 260  |



### SKNR6045 TYPE

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |       | Temperature Rise Current |      |
|--------------|------------|----------------------|--------------------|--------------------|--------------------|-------|--------------------------|------|
|              | L          | -                    | Freq               | DCR                | Isat               |       | Irms                     |      |
|              | μH         | -                    | kHz/V              | Ω                  | Max.               | Typ.  | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V              | Ω                  | mA                 | mA    | mA                       | mA   |
| SKNR6045-R47 | 0.47       | N                    | 100/1              | 0.008              | 15000              | 16500 | 6500                     | 7500 |
| SKNR6045-R56 | 0.56       | N                    | 100/1              | 0.008              | 15000              | 16500 | 6500                     | 7500 |
| SKNR6045-R68 | 0.68       | N                    | 100/1              | 0.008              | 11000              | 12000 | 5900                     | 6500 |
| SKNR6045-R82 | 0.82       | N                    | 100/1              | 0.010              | 10350              | 11000 | 5900                     | 6500 |
| SKNR6045-1R0 | 1          | N                    | 100/1              | 0.010              | 9850               | 10000 | 5440                     | 5900 |
| SKNR6045-1R2 | 1.2        | N                    | 100/1              | 0.013              | 8350               | 9700  | 5400                     | 5900 |
| SKNR6045-1R3 | 1.3        | N                    | 100/1              | 0.013              | 8350               | 9700  | 5400                     | 5900 |
| SKNR6045-1R5 | 1.5        | N                    | 100/1              | 0.016              | 8300               | 9700  | 4950                     | 5400 |
| SKNR6045-1R8 | 1.8        | N                    | 100/1              | 0.016              | 7600               | 8400  | 4950                     | 5400 |
| SKNR6045-2R2 | 2.2        | N                    | 100/1              | 0.018              | 6750               | 7400  | 4600                     | 5000 |
| SKNR6045-2R3 | 2.3        | N                    | 100/1              | 0.018              | 6000               | 6600  | 4500                     | 3800 |
| SKNR6045-2R7 | 2.7        | N                    | 100/1              | 0.020              | 5750               | 6300  | 4300                     | 4700 |
| SKNR6045-3R0 | 3          | N                    | 100/1              | 0.02               | 5600               | 6200  | 3800                     | 4200 |
| SKNR6045-3R3 | 3.3        | N                    | 100/1              | 0.027              | 5300               | 6200  | 3700                     | 4000 |
| SKNR6045-3R6 | 3.6        | N                    | 100/1              | 0.027              | 5250               | 5700  | 3700                     | 4000 |
| SKNR6045-4R3 | 4.3        | M、N                  | 100/1              | 0.030              | 4970               | 5500  | 3500                     | 3800 |
| SKNR6045-4R5 | 4.5        | M、N                  | 100/1              | 0.034              | 4970               | 5500  | 3300                     | 3600 |
| SKNR6045-4R7 | 4.7        | M、N                  | 100/1              | 0.034              | 4970               | 5500  | 3300                     | 3600 |
| SKNR6045-5R1 | 5.1        | M、N                  | 100/1              | 0.034              | 4450               | 4800  | 3300                     | 3600 |
| SKNR6045-5R6 | 5.6        | M、N                  | 100/1              | 0.038              | 4450               | 4600  | 3150                     | 3400 |
| SKNR6045-6R2 | 6.2        | M、N                  | 100/1              | 0.040              | 4430               | 4800  | 3000                     | 3300 |
| SKNR6045-6R3 | 6.3        | M、N                  | 100/1              | 0.040              | 4430               | 4800  | 3000                     | 3300 |
| SKNR6045-6R8 | 6.8        | M、N                  | 100/1              | 0.040              | 3900               | 4300  | 3000                     | 3300 |
| SKNR6045-7R5 | 7.5        | M、N                  | 100/1              | 0.044              | 3900               | 3800  | 2900                     | 3200 |
| SKNR6045-8R2 | 8.2        | M、N                  | 100/1              | 0.056              | 3900               | 4300  | 2600                     | 2800 |
| SKNR6045-9R1 | 9.1        | M、N                  | 100/1              | 0.056              | 3350               | 3700  | 2600                     | 2800 |
| SKNR6045-100 | 10         | M、N                  | 100/1              | 0.062              | 3200               | 3500  | 2450                     | 2700 |
| SKNR6045-120 | 12         | M、N                  | 100/1              | 0.075              | 2800               | 3000  | 2200                     | 2400 |
| SKNR6045-150 | 15         | M、N                  | 100/1              | 0.088              | 2500               | 2700  | 2050                     | 2200 |
| SKNR6045-180 | 18         | M、N                  | 100/1              | 0.105              | 2200               | 2400  | 1850                     | 2000 |
| SKNR6045-220 | 22         | M、N                  | 100/1              | 0.116              | 2050               | 2200  | 1800                     | 2000 |
| SKNR6045-270 | 27         | M、N                  | 100/1              | 0.133              | 1900               | 2100  | 1650                     | 1800 |



## SKNR Series

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|--------------|------------|----------------------|--------------------|--------------------|--------------------|------|--------------------------|------|
|              |            |                      |                    |                    | Isat               |      | Irms                     |      |
|              | L          | -                    | Freq               | DCR                | Max.               | Typ. | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V              | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR6045-300 | 30         | M、N                  | 100/1              | 0.172              | 1700               | 1800 | 1500                     | 1600 |
| SKNR6045-330 | 33         | M、N                  | 100/1              | 0.178              | 1650               | 1800 | 1450                     | 1600 |
| SKNR6045-360 | 36         | M、N                  | 100/1              | 0.225              | 1620               | 1800 | 1400                     | 1500 |
| SKNR6045-390 | 39         | M、N                  | 100/1              | 0.234              | 1500               | 1800 | 1250                     | 1400 |
| SKNR6045-430 | 43         | M、N                  | 100/1              | 0.260              | 1430               | 1800 | 1200                     | 1300 |
| SKNR6045-470 | 47         | M、N                  | 100/1              | 0.260              | 1400               | 1500 | 1200                     | 1300 |
| SKNR6045-510 | 51         | M、N                  | 100/1              | 0.269              | 1350               | 1500 | 1150                     | 1200 |
| SKNR6045-560 | 56         | M、N                  | 100/1              | 0.287              | 1300               | 1400 | 1100                     | 1200 |
| SKNR6045-620 | 62         | M、N                  | 100/1              | 0.306              | 1250               | 1400 | 1100                     | 1200 |
| SKNR6045-680 | 68         | M、N                  | 100/1              | 0.376              | 1200               | 1300 | 1000                     | 1100 |
| SKNR6045-750 | 75         | M、N                  | 100/1              | 0.397              | 1150               | 1200 | 950                      | 1000 |
| SKNR6045-820 | 82         | M、N                  | 100/1              | 0.443              | 1050               | 1100 | 900                      | 990  |
| SKNR6045-910 | 91         | M、N                  | 100/1              | 0.467              | 1000               | 1100 | 850                      | 940  |
| SKNR6045-101 | 100        | M、N                  | 100/1              | 0.563              | 950                | 1000 | 800                      | 880  |
| SKNR6045-121 | 120        | M、N                  | 100/1              | 0.629              | 850                | 940  | 770                      | 850  |
| SKNR6045-151 | 150        | M、N                  | 100/1              | 0.754              | 800                | 880  | 700                      | 770  |
| SKNR6045-221 | 220        | M、N                  | 100/1              | 1.084              | 700                | 770  | 590                      | 650  |
| SKNR6045-331 | 330        | M、N                  | 100/1              | 1.651              | 570                | 630  | 570                      | 630  |
| SKNR6045-471 | 470        | M、N                  | 100/1              | 2.340              | 500                | 560  | 420                      | 480  |
| SKNR6045-681 | 680        | M、N                  | 100/1              | 3.250              | 420                | 460  | 330                      | 380  |
| SKNR6045-102 | 1000       | M、N                  | 100/1              | 5.850              | 300                | 350  | 300                      | 350  |
| SKNR6045-152 | 1500       | M、N                  | 100/1              | 8.450              | 240                | 270  | 210                      | 240  |

### SKNR8040 TYPE

| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |       | Temperature Rise Current |      |
|--------------|------------|----------------------|--------------------|--------------------|--------------------|-------|--------------------------|------|
|              |            |                      |                    |                    | Isat               |       | Irms                     |      |
|              | L          | -                    | Freq               | DCR                | Max.               | Typ.  | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V              | Ω                  | mA                 | mA    | mA                       | mA   |
| SKNR8040-R82 | 0.82       | N                    | 100/1              | 0.010              | 13800              | 16000 | 6300                     | 6900 |
| SKNR8040-1R0 | 1          | N                    | 100/1              | 0.010              | 9850               | 14000 | 6300                     | 6900 |
| SKNR8040-1R2 | 1.2        | N                    | 100/1              | 0.013              | 8150               | 14000 | 5650                     | 6200 |
| SKNR8040-1R5 | 1.5        | N                    | 100/1              | 0.013              | 8150               | 11000 | 5650                     | 6200 |
| SKNR8040-2R0 | 2          | N                    | 100/1              | 0.016              | 7100               | 10000 | 5150                     | 5600 |
| SKNR8040-2R2 | 2.2        | N                    | 100/1              | 0.016              | 7100               | 8000  | 5150                     | 5600 |
| SKNR8040-3R0 | 3          | N                    | 100/1              | 0.018              | 6500               | 7000  | 4700                     | 5200 |
| SKNR8040-3R3 | 3.3        | N                    | 100/1              | 0.022              | 6500               | 7000  | 4400                     | 4800 |

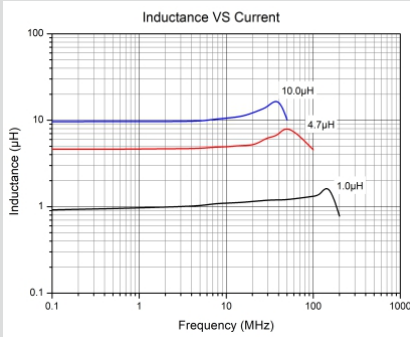
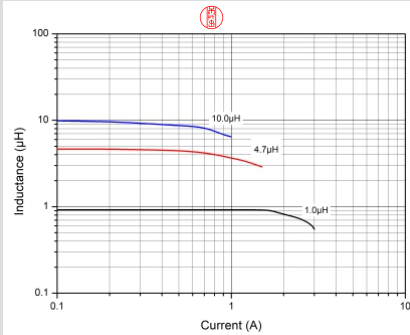


## SKNR Series

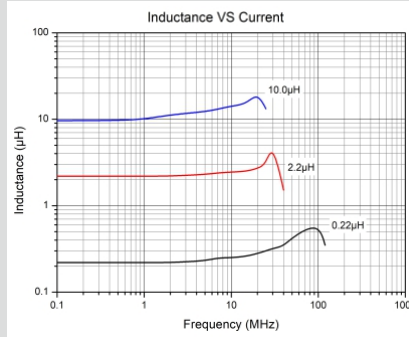
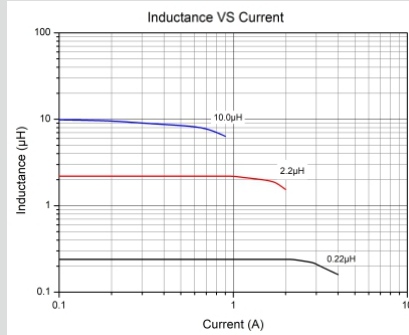
| Part Number  | Inductance | Inductance Tolerance | L,Q Test Freq. L/Q | Max. DC Resistance | Saturation Current |      | Temperature Rise Current |      |
|--------------|------------|----------------------|--------------------|--------------------|--------------------|------|--------------------------|------|
|              | L          | -                    | Freq               | DCR                | Isat               |      | Irms                     |      |
|              | μH         | -                    | kHz/V              | Ω                  | Max.               | Typ. | Max.                     | Typ. |
| Units        | μH         | -                    | kHz/V              | Ω                  | mA                 | mA   | mA                       | mA   |
| SKNR8040-3R6 | 3.6        | N                    | 100/1              | 0.022              | 6000               | 8500 | 4350                     | 4800 |
| SKNR8040-3R9 | 3.9        | N                    | 100/1              | 0.022              | 6000               | 6500 | 4350                     | 4800 |
| SKNR8040-4R7 | 4.7        | N                    | 100/1              | 0.025              | 5900               | 6500 | 4100                     | 4500 |
| SKNR8040-5R1 | 5.1        | N                    | 100/1              | 0.025              | 5700               | 5400 | 4050                     | 4400 |
| SKNR8040-5R6 | 5.6        | N                    | 100/1              | 0.027              | 5500               | 6900 | 3850                     | 4200 |
| SKNR8040-6R2 | 6.2        | N                    | 100/1              | 0.027              | 4550               | 5100 | 3850                     | 4200 |
| SKNR8040-6R8 | 6.8        | M、N                  | 100/1              | 0.031              | 4550               | 5200 | 3600                     | 4000 |
| SKNR8040-8R2 | 8.2        | M、N                  | 100/1              | 0.034              | 4200               | 4800 | 3450                     | 3800 |
| SKNR8040-100 | 10         | M、N                  | 100/1              | 0.038              | 3600               | 4100 | 3300                     | 3600 |
| SKNR8040-120 | 12         | M、N                  | 100/1              | 0.053              | 3500               | 4000 | 2800                     | 3000 |
| SKNR8040-150 | 15         | M、N                  | 100/1              | 0.061              | 2950               | 3400 | 2600                     | 2800 |
| SKNR8040-180 | 18         | M、N                  | 100/1              | 0.069              | 2700               | 3100 | 2400                     | 2600 |
| SKNR8040-220 | 22         | M、N                  | 100/1              | 0.090              | 2400               | 2700 | 2100                     | 2300 |
| SKNR8040-270 | 27         | M、N                  | 100/1              | 0.101              | 2150               | 2500 | 2000                     | 2200 |
| SKNR8040-330 | 33         | M、N                  | 100/1              | 0.126              | 2050               | 2400 | 1800                     | 2000 |
| SKNR8040-360 | 36         | M、N                  | 100/1              | 0.133              | 2000               | 2300 | 1750                     | 1900 |
| SKNR8040-390 | 39         | M、N                  | 100/1              | 0.139              | 1950               | 2200 | 1700                     | 1900 |
| SKNR8040-430 | 43         | M、N                  | 100/1              | 0.147              | 1900               | 2200 | 1650                     | 1800 |
| SKNR8040-470 | 47         | M、N                  | 100/1              | 0.177              | 1750               | 2000 | 1550                     | 1700 |
| SKNR8040-510 | 51         | M、N                  | 100/1              | 0.185              | 1700               | 1900 | 1500                     | 1600 |
| SKNR8040-560 | 56         | M、N                  | 100/1              | 0.192              | 1550               | 1700 | 1450                     | 1600 |
| SKNR8040-620 | 62         | M、N                  | 100/1              | 0.237              | 1500               | 1600 | 1300                     | 1400 |
| SKNR8040-680 | 68         | M、N                  | 100/1              | 0.255              | 1450               | 1600 | 1250                     | 1400 |
| SKNR8040-750 | 75         | M、N                  | 100/1              | 0.274              | 1350               | 1500 | 1200                     | 1300 |
| SKNR8040-820 | 82         | M、N                  | 100/1              | 0.293              | 1300               | 1400 | 1150                     | 1200 |
| SKNR8040-910 | 91         | M、N                  | 100/1              | 0.354              | 1200               | 1300 | 1050                     | 1100 |
| SKNR8040-101 | 100        | M、N                  | 100/1              | 0.377              | 1150               | 1300 | 1000                     | 1100 |
| SKNR8040-121 | 120        | M、N                  | 100/1              | 0.434              | 1150               | 1100 | 950                      | 1000 |
| SKNR8040-151 | 150        | M、N                  | 100/1              | 0.533              | 1100               | 1200 | 850                      | 940  |
| SKNR8040-181 | 180        | M、N                  | 100/1              | 0.676              | 950                | 1150 | 830                      | 920  |
| SKNR8040-221 | 220        | M、N                  | 100/1              | 0.779              | 850                | 940  | 800                      | 880  |
| SKNR8040-331 | 330        | M、N                  | 100/1              | 1.156              | 680                | 750  | 640                      | 700  |
| SKNR8040-471 | 470        | M、N                  | 100/1              | 1.625              | 600                | 700  | 500                      | 600  |
| SKNR8040-681 | 680        | M、N                  | 100/1              | 2.665              | 500                | 600  | 450                      | 500  |
| SKNR8040-102 | 1000       | M、N                  | 100/1              | 3.640              | 400                | 500  | 350                      | 400  |
| SKNR8040-152 | 1500       | M、N                  | 100/1              | 6.500              | 320                | 380  | 260                      | 270  |

## TYPICAL ELECTRICAL CHARACTERISTICS

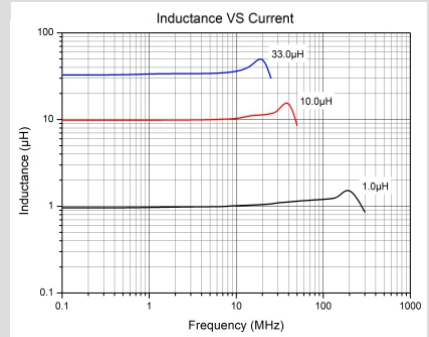
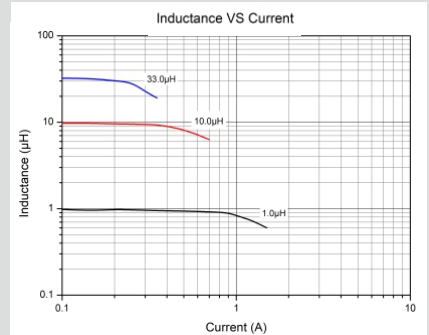
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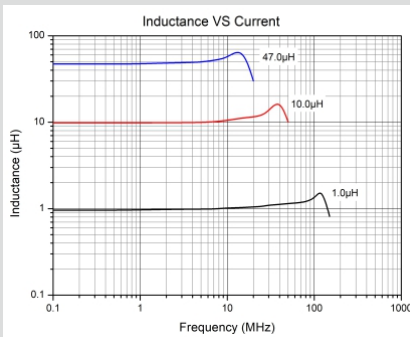
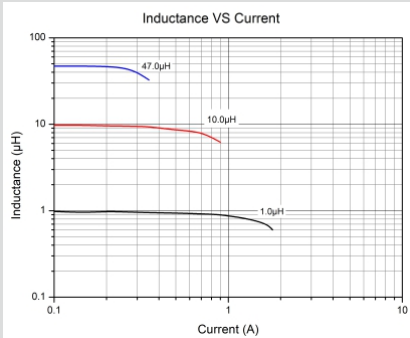
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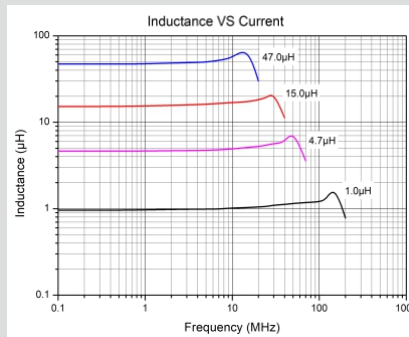
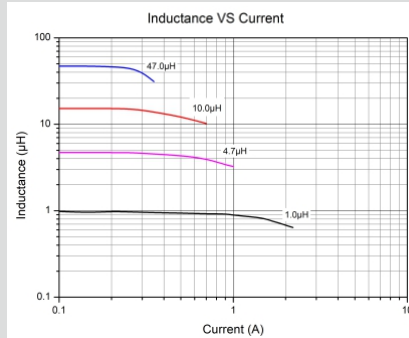
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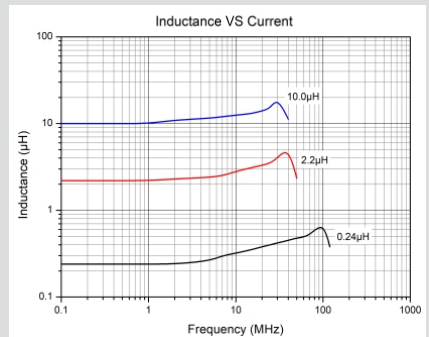
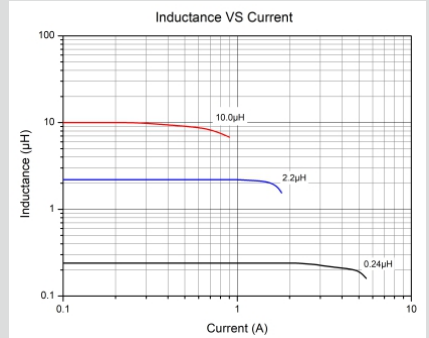
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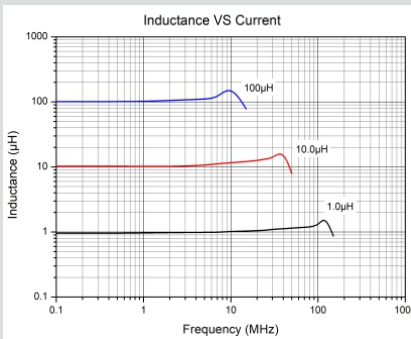
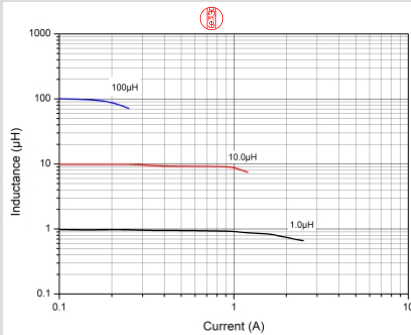
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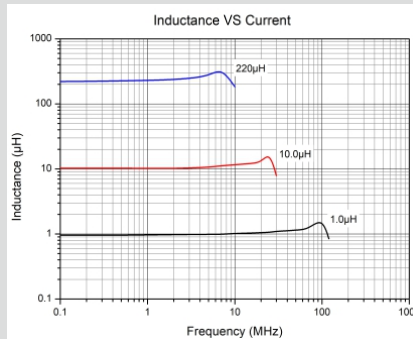
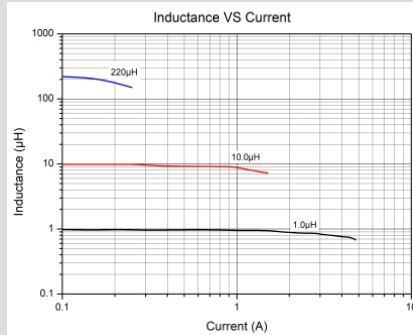
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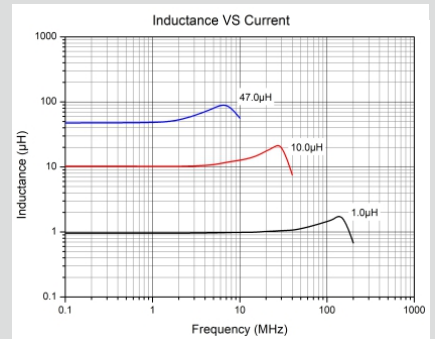
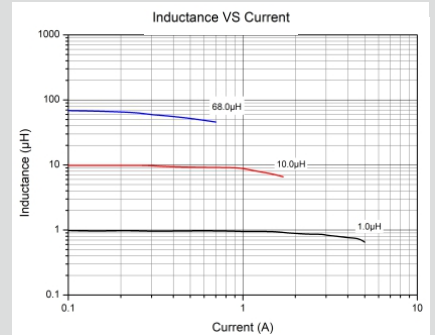
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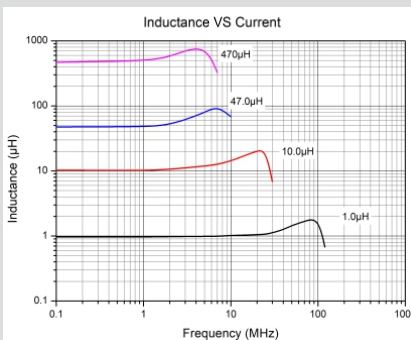
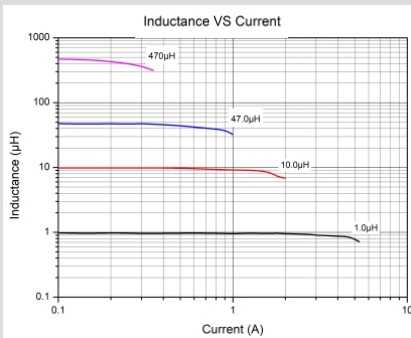
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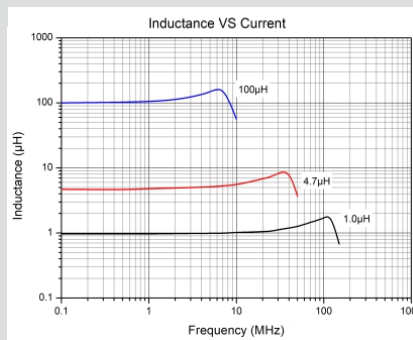
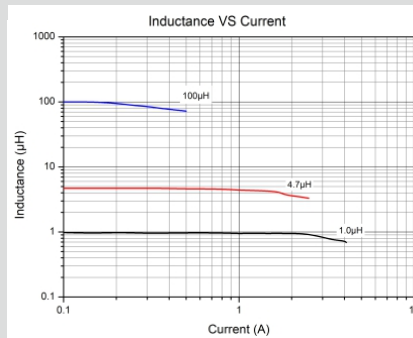
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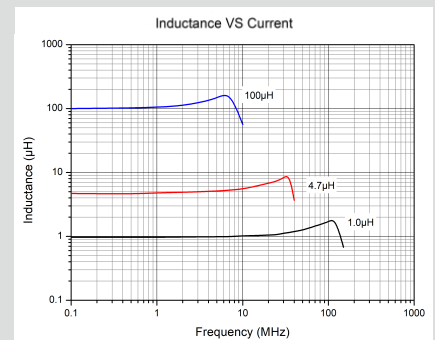
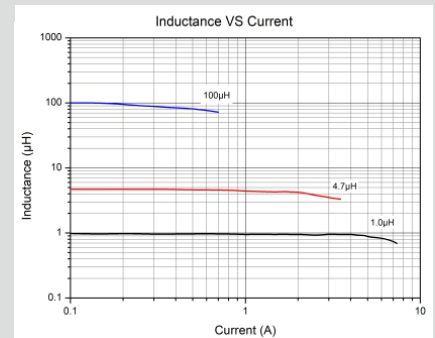
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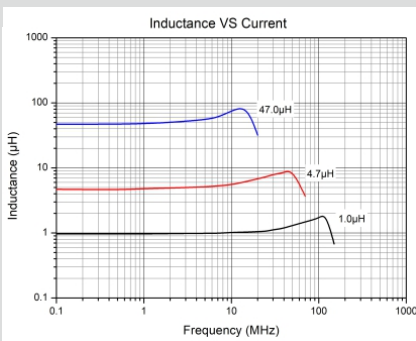
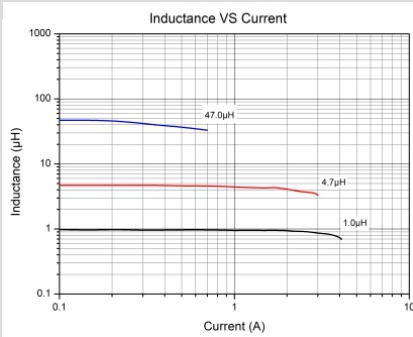
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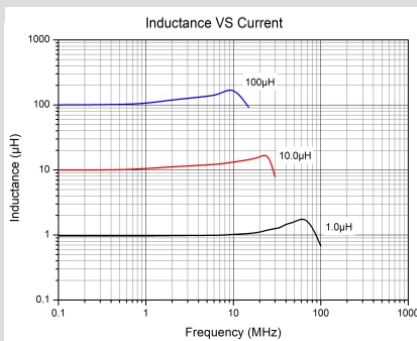
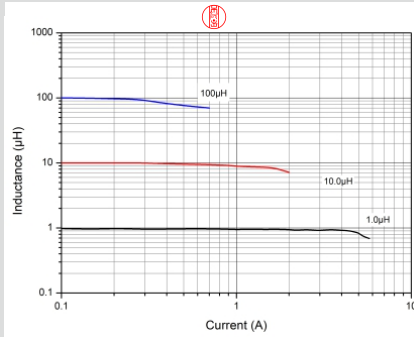
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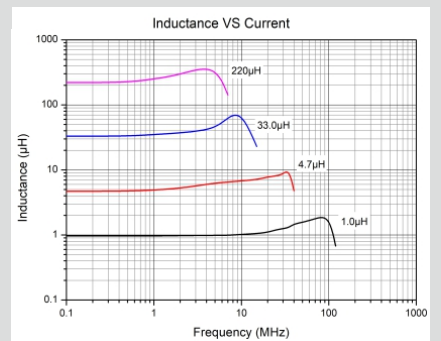
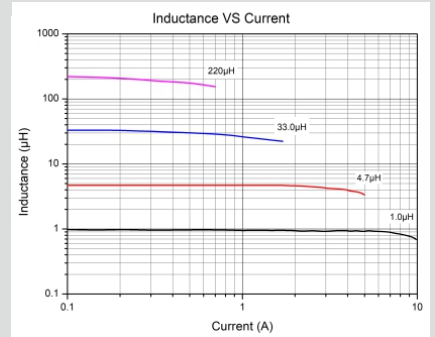
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SKNR6028 TYPE



SKNR6045 TYPE



SKNR8040 TYPE

