

## NR Series

### Features

- Magnetic-resin shielded construction reduces buzz noise to ultra-low levels.
- Metallization on Ferrite Core results in excellent shock resistance and damage-free durability.
- Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference(EMI) .
- 35% high current rating than conventional inductors of equal size.
- Takes up less PCB real estate and save more power.
- Halogen Free.
- RoHS compliance.

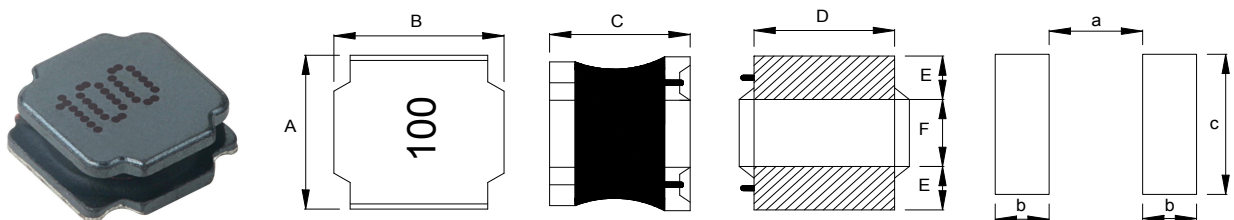
### Applications

- LED Lighting.
- Next-generation mobile devices with multifunction such as adding color TV and digital movie cameras.
- Flat-screen TVs, blue-ray disc recorders set top box.
- Notebooks, desktop computers, servers, graphic cards.
- Portable gaming devices, personal navigation systems, personal multimedia devices.

### Test Equipment and Conditions

- Inductance is measured with IM3536 LCR meter or equivalent.
- Operating temperature range -40°C to +125°C.(Including self - temperature rise).
- DC current(Irms)that will cause an approximate  $\Delta T$  of 40°C.
- DC current(Isat)that will cause Lo to drop approximately 35%.

### External Dimensions (Unit:mm)



| TYPE   | A       | B       | C Max | D typ | E typ | F typ | a typ | b typ | c typ | Q'TY/Reel |
|--------|---------|---------|-------|-------|-------|-------|-------|-------|-------|-----------|
| NR3010 | 3.0±0.2 | 3.0±0.2 | 1.1   | 2.5   | 0.9   | 1.2   | 0.9   | 1.2   | 2.8   | 2000      |
| NR3012 | 3.0±0.2 | 3.0±0.2 | 1.25  | 2.9   | 0.9   | 1.2   | 0.9   | 1.2   | 3.1   | 2000      |
| NR3015 | 3.0±0.2 | 3.0±0.2 | 1.7   | 2.55  | 0.9   | 1.2   | 0.9   | 1.2   | 3.1   | 2000      |
| NR4010 | 4.0±0.2 | 4.0±0.2 | 1.1   | 3.5   | 1.2   | 1.6   | 1.2   | 1.5   | 3.8   | 4500      |
| NR4012 | 4.0±0.2 | 4.0±0.2 | 1.3   | 3.5   | 1.2   | 1.6   | 1.3   | 1.5   | 3.8   | 4500      |
| NR4018 | 4.0±0.2 | 4.0±0.2 | 1.8   | 3.5   | 1.2   | 1.6   | 1.2   | 1.5   | 3.8   | 3000      |
| NR4020 | 4.0±0.2 | 4.0±0.2 | 2.0   | 3.5   | 1.2   | 1.6   | 1.2   | 1.5   | 3.8   | 3000      |
| NR4026 | 4.0±0.2 | 4.0±0.2 | 2.6   | 3.5   | 1.2   | 1.6   | 1.2   | 1.5   | 3.8   | 3000      |
| NR4030 | 4.0±0.2 | 4.0±0.2 | 3.0   | 3.5   | 1.35  | 1.3   | 1     | 1.65  | 3.8   | 2000      |
| NR4035 | 4.0±0.2 | 4.0±0.2 | 3.5   | 3.3   | 0.95  | 2.1   | 1.9   | 1.1   | 3.7   | 2000      |
| NR5012 | 5.0±0.2 | 5.0±0.2 | 1.3   | 4.0   | 1.5   | 2     | 1.7   | 1.8   | 4.3   | 4500      |
| NR5020 | 5.0±0.2 | 5.0±0.2 | 2.0   | 4.0   | 1.35  | 2.3   | 2     | 1.65  | 4.3   | 2500      |

| TYPE   | A       | B       | C Max | D typ | E typ | F typ | a typ | b typ | c typ | Q'TY/Reel |
|--------|---------|---------|-------|-------|-------|-------|-------|-------|-------|-----------|
| NR5040 | 5.0±0.2 | 5.0±0.2 | 4.0   | 4     | 1.5   | 2     | 1.7   | 1.8   | 4.3   | 1500      |
| NR5045 | 5.0±0.2 | 5.0±0.2 | 4.5   | 4     | 1.5   | 2     | 1.7   | 1.8   | 4.3   | 1500      |
| NR6010 | 6.0±0.3 | 6.0±0.3 | 1.1   | 4.9   | 1.65  | 2.7   | 2.4   | 1.95  | 5.2   | 2500      |
| NR6012 | 6.0±0.3 | 6.0±0.3 | 1.3   | 4.9   | 1.65  | 2.7   | 2.4   | 1.95  | 5.2   | 2500      |
| NR6020 | 6.0±0.3 | 6.0±0.3 | 2.0   | 4.9   | 1.65  | 2.7   | 2.4   | 1.95  | 5.2   | 2500      |
| NR6028 | 6.0±0.3 | 6.0±0.3 | 2.8   | 4.9   | 1.65  | 2.7   | 2.4   | 1.95  | 5.2   | 2000      |
| NR6040 | 6.0±0.3 | 6.0±0.3 | 4.0   | 4.9   | 1.65  | 2.7   | 2.4   | 1.95  | 5.2   | 2000      |
| NR6045 | 6.0±0.3 | 6.0±0.3 | 4.7   | 4.9   | 1.65  | 2.7   | 2.4   | 1.95  | 5.2   | 1500      |
| NR6055 | 6.0±0.3 | 6.0±0.3 | 5.7   | 4.9   | 1.65  | 2.7   | 2.4   | 1.95  | 5.2   | 1000      |
| NR8040 | 8.0±0.3 | 8.0±0.3 | 4.2   | 6.3   | 2.45  | 3.1   | 2.8   | 2.75  | 6.6   | 1000      |
| NR8060 | 8.0±0.3 | 8.0±0.3 | 6.0   | 6.3   | 2.45  | 3.1   | 2.8   | 2.75  | 6.6   | 700       |
| NR8065 | 8.0±0.3 | 8.0±0.3 | 6.8   | 6.3   | 2.45  | 3.1   | 2.8   | 2.75  | 6.6   | 700       |

## 2. Part Number Code

|             |                      |                             |            |                   |
|-------------|----------------------|-----------------------------|------------|-------------------|
| NR          | 3015                 | M                           | 100        | A                 |
| Series Name | Dimensions:<br>L*W*H | Tolerance<br>M:20%<br>N:30% | Inductance | Internal controls |

### NR Series

| Part Number | Inductance (μH)<br>@100KHz/1V | DC Resistance (Ω) ±30%. | Self-resonant Frequency (MHz) Min. | Heat Rating Current I <sub>rms</sub> (A) Max. | Saturation Current I <sub>sat</sub> (A) Max. |
|-------------|-------------------------------|-------------------------|------------------------------------|-----------------------------------------------|----------------------------------------------|
| NR3010M1R0A | 1                             | 0.063                   | 180                                | 1.49                                          | 1.44                                         |
| NR3010M1R2A | 1.2                           | 0.065                   | 137                                | 1.45                                          | 1.25                                         |
| NR3010M1R5A | 1.5                           | 0.077                   | 120                                | 1.34                                          | 1.31                                         |
| NR3010M2R2A | 2.2                           | 0.106                   | 100                                | 1.12                                          | 1.18                                         |
| NR3010M2R7A | 2.7                           | 0.125                   | 90                                 | 1.05                                          | 1.03                                         |
| NR3010M3R3A | 3.3                           | 0.139                   | 74                                 | 0.99                                          | 1                                            |
| NR3010M3R6A | 3.6                           | 0.159                   | 67                                 | 0.93                                          | 0.98                                         |
| NR3010M4R7A | 4.7                           | 0.216                   | 59                                 | 0.79                                          | 0.77                                         |
| NR3010M5R6A | 5.6                           | 0.248                   | 40                                 | 0.7                                           | 0.58                                         |
| NR3010M6R8A | 6.8                           | 0.293                   | 42                                 | 0.68                                          | 0.57                                         |
| NR3010M8R2A | 8.2                           | 0.4                     | 23                                 | 0.58                                          | 0.55                                         |
| NR3010M100A | 10                            | 0.385                   | 39                                 | 0.6                                           | 0.57                                         |
| NR3010M120A | 12                            | 0.486                   | 36                                 | 0.54                                          | 0.44                                         |
| NR3010M150A | 15                            | 0.587                   | 30                                 | 0.48                                          | 0.43                                         |
| NR3010M220A | 22                            | 0.896                   | 28                                 | 0.39                                          | 0.36                                         |

## NR Series

| Part Number | Inductance<br>( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm 30\%$ . | Self-resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>Irms (A) Max. | Saturation<br>Current<br>Isat (A) Max. |
|-------------|----------------------------------------|-----------------------------------------------|------------------------------------------|-----------------------------------------|----------------------------------------|
| NR3010M270A | 27                                     | 1.04                                          | 25                                       | 0.36                                    | 0.31                                   |
| NR3010M330A | 33                                     | 1.493                                         | 18                                       | 0.31                                    | 0.3                                    |
| NR3010M390A | 39                                     | 1.685                                         | 18                                       | 0.29                                    | 0.29                                   |
| NR3010M430A | 43                                     | 1.733                                         | 18                                       | 0.28                                    | 0.24                                   |
| NR3010M470A | 47                                     | 1.878                                         | 18                                       | 0.27                                    | 0.23                                   |
| NR3010M510A | 51                                     | 2.119                                         | 18                                       | 0.26                                    | 0.22                                   |
| NR3010M560A | 56                                     | 2.234                                         | 16                                       | 0.25                                    | 0.22                                   |
| NR3012NR82A | 0.82                                   | 0.029                                         | 180                                      | 2.54                                    | 2.11                                   |
| NR3012M1R0A | 1                                      | 0.039                                         | 120                                      | 2.27                                    | 1.93                                   |
| NR3012M1R2A | 1.2                                    | 0.043                                         | 120                                      | 2.07                                    | 2.29                                   |
| NR3012M1R5A | 1.5                                    | 0.043                                         | 110                                      | 2.07                                    | 1.67                                   |
| NR3012M1R8A | 1.8                                    | 0.053                                         | 90                                       | 1.9                                     | 1.56                                   |
| NR3012M2R2A | 2.2                                    | 0.072                                         | 84                                       | 1.6                                     | 1.24                                   |
| NR3012M2R4A | 2.4                                    | 0.065                                         | 80                                       | 1.55                                    | 1.18                                   |
| NR3012M2R7A | 2.7                                    | 0.081                                         | 65                                       | 1.52                                    | 1.17                                   |
| NR3012M3R3A | 3.3                                    | 0.096                                         | 64                                       | 1.4                                     | 1.08                                   |
| NR3012M3R6A | 3.6                                    | 0.1                                           | 36                                       | 1.36                                    | 1.05                                   |
| NR3012M3R9A | 3.9                                    | 0.145                                         | 61                                       | 1.24                                    | 1                                      |
| NR3012M4R7A | 4.7                                    | 0.116                                         | 61                                       | 1.24                                    | 0.93                                   |
| NR3012M6R8A | 6.8                                    | 0.183                                         | 61                                       | 1.01                                    | 0.77                                   |
| NR3012M100A | 10                                     | 0.255                                         | 42                                       | 0.85                                    | 0.62                                   |
| NR3012M120A | 12                                     | 0.332                                         | 32                                       | 0.75                                    | 0.49                                   |
| NR3012M150A | 15                                     | 0.347                                         | 27                                       | 0.73                                    | 0.46                                   |
| NR3012M180A | 18                                     | 0.524                                         | 25                                       | 0.6                                     | 0.44                                   |
| NR3012M220A | 22                                     | 0.621                                         | 23                                       | 0.55                                    | 0.43                                   |
| NR3012M270A | 27                                     | 0.741                                         | 21                                       | 0.5                                     | 0.41                                   |
| NR3012M330A | 33                                     | 0.842                                         | 18                                       | 0.47                                    | 0.37                                   |
| NR3012M360A | 36                                     | 0.915                                         | 18                                       | 0.45                                    | 0.35                                   |
| NR3012M390A | 39                                     | 1.281                                         | 18                                       | 0.38                                    | 0.31                                   |
| NR3012M470A | 47                                     | 1.329                                         | 14                                       | 0.37                                    | 0.28                                   |
| NR3012M560A | 56                                     | 1.329                                         | 14                                       | 0.37                                    | 0.27                                   |
| NR3012M620A | 62                                     | 1.473                                         | 12                                       | 0.36                                    | 0.26                                   |
| NR3012M680A | 68                                     | 1.608                                         | 12                                       | 0.34                                    | 0.25                                   |
| NR3012M820A | 82                                     | 2.446                                         | 12                                       | 0.28                                    | 0.23                                   |

## NR Series

| Part Number | Inductance<br>( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm 30\%$ . | Self-resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>Irms (A) Max. | Saturation<br>Current<br>Isat (A) Max. |
|-------------|----------------------------------------|-----------------------------------------------|------------------------------------------|-----------------------------------------|----------------------------------------|
| NR3012M101A | 100                                    | 2.754                                         | 12                                       | 0.26                                    | 0.22                                   |
| NR3015NR50A | 0.5                                    | 0.03                                          | 162                                      | 2.6                                     | 3.9                                    |
| NR3015NR68A | 0.68                                   | 0.035                                         | 152                                      | 2.65                                    | 2.65                                   |
| NR3015N1R0A | 1                                      | 0.036                                         | 150                                      | 2.35                                    | 2.37                                   |
| NR3015N1R2A | 1.2                                    | 0.039                                         | 110                                      | 2.01                                    | 2.28                                   |
| NR3015N1R5A | 1.5                                    | 0.048                                         | 100                                      | 1.75                                    | 2.37                                   |
| NR3015N1R8A | 1.8                                    | 0.048                                         | 92                                       | 1.75                                    | 1.8                                    |
| NR3015N2R2A | 2.2                                    | 0.069                                         | 86                                       | 1.65                                    | 1.65                                   |
| NR3015M2R7A | 2.7                                    | 0.072                                         | 64                                       | 1.47                                    | 1.57                                   |
| NR3015M3R3A | 3.3                                    | 0.08                                          | 68                                       | 1.4                                     | 1.36                                   |
| NR3015M3R6A | 3.6                                    | 0.101                                         | 59                                       | 1.24                                    | 1.32                                   |
| NR3015M3R9A | 3.9                                    | 0.105                                         | 47                                       | 1.2                                     | 1.2                                    |
| NR3015M4R3A | 4.3                                    | 0.11                                          | 53                                       | 1.17                                    | 1.24                                   |
| NR3015N4R7A | 4.7                                    | 0.123                                         | 46                                       | 1.09                                    | 1.1                                    |
| NR3015M6R2A | 6.2                                    | 0.187                                         | 46                                       | 0.89                                    | 1.03                                   |
| NR3015M6R8A | 6.8                                    | 0.193                                         | 39                                       | 0.88                                    | 0.88                                   |
| NR3015M100A | 10                                     | 0.241                                         | 41                                       | 0.79                                    | 0.74                                   |
| NR3015M120A | 12                                     | 0.308                                         | 32                                       | 0.7                                     | 0.72                                   |
| NR3015M150A | 15                                     | 0.337                                         | 30                                       | 0.67                                    | 0.68                                   |
| NR3015M180A | 18                                     | 0.414                                         | 23                                       | 0.61                                    | 0.58                                   |
| NR3015M220A | 22                                     | 0.443                                         | 23                                       | 0.57                                    | 0.52                                   |
| NR3015M270A | 27                                     | 0.73                                          | 22                                       | 0.45                                    | 0.48                                   |
| NR3015M330A | 33                                     | 0.79                                          | 20                                       | 0.44                                    | 0.45                                   |
| NR3015M390A | 39                                     | 0.958                                         | 14                                       | 0.4                                     | 0.42                                   |
| NR3015M430A | 43                                     | 1.021                                         | 16                                       | 0.38                                    | 0.38                                   |
| NR3015M470A | 47                                     | 1.23                                          | 14                                       | 0.36                                    | 0.36                                   |
| NR3015M560A | 56                                     | 1.7                                           | 13                                       | 0.35                                    | 0.34                                   |
| NR3015M620A | 62                                     | 1.377                                         | 13                                       | 0.33                                    | 0.34                                   |
| NR3015M680A | 68                                     | 1.75                                          | 11                                       | 0.24                                    | 0.29                                   |
| NR3015M101A | 100                                    | 3.11                                          | 7.2                                      | 0.21                                    | 0.23                                   |
| NR3015M151A | 150                                    | 3.8                                           | 4.5                                      | 0.19                                    | 0.18                                   |
| NR4010M1R0A | 1                                      | 0.054                                         | 116                                      | 1.95                                    | 2.06                                   |
| NR4010M1R5A | 1.5                                    | 0.068                                         | 94                                       | 1.75                                    | 1.73                                   |
| NR4010M2R2A | 2.2                                    | 0.082                                         | 73                                       | 1.54                                    | 1.23                                   |

## NR Series

| Part Number | Inductance<br>( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm 30\%$ . | Self-resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>Irms (A) Max. | Saturation<br>Current<br>Isat (A) Max. |
|-------------|----------------------------------------|-----------------------------------------------|------------------------------------------|-----------------------------------------|----------------------------------------|
| NR4010M3R3A | 3.3                                    | 0.097                                         | 58                                       | 1.44                                    | 1.13                                   |
| NR4010M4R7A | 4.7                                    | 0.136                                         | 47                                       | 1.23                                    | 0.97                                   |
| NR4010M6R8A | 6.8                                    | 0.194                                         | 38                                       | 1.03                                    | 0.82                                   |
| NR4010M100A | 10                                     | 0.291                                         | 31                                       | 0.77                                    | 0.63                                   |
| NR4010M150A | 15                                     | 0.417                                         | 24                                       | 0.61                                    | 0.55                                   |
| NR4010M220A | 22                                     | 0.553                                         | 19                                       | 0.51                                    | 0.46                                   |
| NR4012NR82A | 0.82                                   | 0.048                                         | 150                                      | 1.7                                     | 3.64                                   |
| NR4012M1R0A | 1                                      | 0.05                                          | 120                                      | 1.65                                    | 2.61                                   |
| NR4012M1R5A | 1.5                                    | 0.062                                         | 90                                       | 1.5                                     | 2.16                                   |
| NR4012M1R8A | 1.8                                    | 0.077                                         | 88                                       | 1.36                                    | 2.54                                   |
| NR4012M2R2A | 2.2                                    | 0.077                                         | 74                                       | 1.36                                    | 1.81                                   |
| NR4012M2R7A | 2.7                                    | 0.087                                         | 71                                       | 1.29                                    | 1.96                                   |
| NR4012M3R3A | 3.3                                    | 0.108                                         | 60                                       | 1.15                                    | 1.72                                   |
| NR4012M3R6A | 3.6                                    | 0.106                                         | 57                                       | 1.15                                    | 1.24                                   |
| NR4012M4R3A | 4.3                                    | 0.135                                         | 54                                       | 1.03                                    | 1.8                                    |
| NR4012M4R7A | 4.7                                    | 0.12                                          | 50                                       | 1.08                                    | 1.18                                   |
| NR4012M5R1A | 5.1                                    | 0.149                                         | 50                                       | 0.98                                    | 1.25                                   |
| NR4012M5R6A | 5.6                                    | 0.14                                          | 42                                       | 1                                       | 1                                      |
| NR4012M6R8A | 6.8                                    | 0.19                                          | 40                                       | 0.87                                    | 0.98                                   |
| NR4012M100A | 10                                     | 0.255                                         | 33                                       | 0.79                                    | 0.82                                   |
| NR4012M120A | 12                                     | 0.279                                         | 32                                       | 0.72                                    | 0.68                                   |
| NR4012M150A | 15                                     | 0.327                                         | 25                                       | 0.66                                    | 0.58                                   |
| NR4012M180A | 18                                     | 0.453                                         | 23                                       | 0.57                                    | 0.57                                   |
| NR4012M220A | 22                                     | 0.453                                         | 20                                       | 0.57                                    | 0.56                                   |
| NR4012M270A | 27                                     | 0.693                                         | 18                                       | 0.46                                    | 0.52                                   |
| NR4012M330A | 33                                     | 0.78                                          | 17                                       | 0.43                                    | 0.43                                   |
| NR4012M360A | 36                                     | 0.867                                         | 14                                       | 0.41                                    | 0.41                                   |
| NR4012M390A | 39                                     | 1.059                                         | 16                                       | 0.38                                    | 0.57                                   |
| NR4012M470A | 47                                     | 1.059                                         | 12                                       | 0.38                                    | 0.36                                   |
| NR4012M560A | 56                                     | 1.204                                         | 11                                       | 0.34                                    | 0.34                                   |
| NR4012M680A | 68                                     | 1.406                                         | 11                                       | 0.32                                    | 0.31                                   |
| NR4012M820A | 82                                     | 2.061                                         | 11                                       | 0.27                                    | 0.29                                   |
| NR4012M101A | 100                                    | 2.128                                         | 9.4                                      | 0.26                                    | 0.26                                   |
| NR4018NR47A | 0.47                                   | 0.014                                         | 155                                      | 4                                       | 4.3                                    |

## NR Series

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|-------------|----------------------------------------|-----------------------------------------------|------------------------------------------|-----------------------------------------|----------------------------------------|
| NR4018NR68A | 0.68                                   | 0.02                                          | 128                                      | 3.3                                     | 4.9                                    |
| NR4018N1R0A | 1                                      | 0.024                                         | 80                                       | 2.06                                    | 4.9                                    |
| NR4018M1R5A | 1.5                                    | 0.03                                          | 65                                       | 1.8                                     | 3.35                                   |
| NR4018M1R8A | 1.8                                    | 0.04                                          | 54                                       | 2                                       | 3                                      |
| NR4018M2R2A | 2.2                                    | 0.043                                         | 52                                       | 2.2                                     | 3                                      |
| NR4018M3R3A | 3.3                                    | 0.067                                         | 44                                       | 1.27                                    | 2.52                                   |
| NR4018M4R7A | 4.7                                    | 0.087                                         | 34                                       | 1.24                                    | 2                                      |
| NR4018M6R8A | 6.8                                    | 0.11                                          | 29                                       | 1.09                                    | 1.49                                   |
| NR4018M100A | 10                                     | 0.173                                         | 24                                       | 0.87                                    | 1.34                                   |
| NR4018M150A | 15                                     | 0.241                                         | 19                                       | 0.67                                    | 0.97                                   |
| NR4018M220A | 22                                     | 0.347                                         | 16                                       | 0.61                                    | 0.82                                   |
| NR4018M330A | 33                                     | 0.51                                          | 12                                       | 0.5                                     | 0.67                                   |
| NR4018M470A | 47                                     | 0.626                                         | 10                                       | 0.43                                    | 0.59                                   |
| NR4018M680A | 68                                     | 0.963                                         | 8.3                                      | 0.33                                    | 0.48                                   |
| NR4018M101A | 100                                    | 1.685                                         | 6.5                                      | 0.26                                    | 0.41                                   |
| NR4018M151A | 150                                    | 2.407                                         | 5.5                                      | 0.23                                    | 0.32                                   |
| NR4018M221A | 220                                    | 3.852                                         | 4                                        | 0.18                                    | 0.28                                   |
| NR4020NR47A | 0.47                                   | 0.022                                         | 160                                      | 3.3                                     | 7                                      |
| NR4020NR68A | 0.68                                   | 0.028                                         | 120                                      | 2.8                                     | 6.4                                    |
| NR4020M1R0A | 1                                      | 0.027                                         | 75                                       | 2.21                                    | 5                                      |
| NR4020M1R2A | 1.2                                    | 0.027                                         | 72                                       | 2.21                                    | 5.25                                   |
| NR4020M1R5A | 1.5                                    | 0.035                                         | 71                                       | 2.04                                    | 4.45                                   |
| NR4020M2R2A | 2.2                                    | 0.039                                         | 49                                       | 1.91                                    | 3.5                                    |
| NR4020M3R3A | 3.3                                    | 0.067                                         | 44                                       | 1.44                                    | 3.3                                    |
| NR4020M3R6A | 3.6                                    | 0.053                                         | 49                                       | 1.59                                    | 2.88                                   |
| NR4020M4R7A | 4.7                                    | 0.072                                         | 42                                       | 1.38                                    | 2.42                                   |
| NR4020M5R1A | 5.1                                    | 0.081                                         | 42                                       | 1.31                                    | 2.37                                   |
| NR4020M5R6A | 5.6                                    | 0.087                                         | 30                                       | 1.26                                    | 2.27                                   |
| NR4020M6R2A | 6.2                                    | 0.11                                          | 36                                       | 1.11                                    | 2.21                                   |
| NR4020M6R8A | 6.8                                    | 0.125                                         | 33                                       | 1.07                                    | 2.2                                    |
| NR4020M7R5A | 7.5                                    | 0.11                                          | 30                                       | 1.11                                    | 1.91                                   |
| NR4020M8R2A | 8.2                                    | 0.12                                          | 27                                       | 1.07                                    | 1.8                                    |
| NR4020M100A | 10                                     | 0.165                                         | 26                                       | 0.93                                    | 1.65                                   |
| NR4020M120A | 12                                     | 0.168                                         | 26                                       | 0.91                                    | 1.55                                   |

## NR Series

| Part Number | Inductance<br>( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm 30\%$ . | Self-resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>Irms (A) Max. | Saturation<br>Current<br>Isat (A) Max. |
|-------------|----------------------------------------|-----------------------------------------------|------------------------------------------|-----------------------------------------|----------------------------------------|
| NR4020M150A | 15                                     | 0.221                                         | 24                                       | 0.79                                    | 1.39                                   |
| NR4020M220A | 22                                     | 0.337                                         | 15                                       | 0.64                                    | 1.08                                   |
| NR4020M270A | 27                                     | 0.524                                         | 14                                       | 0.52                                    | 1.05                                   |
| NR4020M330A | 33                                     | 0.53                                          | 11                                       | 0.5                                     | 0.88                                   |
| NR4020M390A | 39                                     | 0.626                                         | 11                                       | 0.47                                    | 0.84                                   |
| NR4020M430A | 43                                     | 0.636                                         | 10                                       | 0.46                                    | 0.79                                   |
| NR4020M470A | 47                                     | 0.684                                         | 10                                       | 0.45                                    | 0.76                                   |
| NR4020M510A | 51                                     | 0.722                                         | 10                                       | 0.43                                    | 0.72                                   |
| NR4020M560A | 56                                     | 0.77                                          | 10                                       | 0.42                                    | 0.68                                   |
| NR4020M620A | 62                                     | 0.867                                         | 9.6                                      | 0.4                                     | 0.67                                   |
| NR4020M680A | 68                                     | 1.06                                          | 7.7                                      | 0.36                                    | 0.61                                   |
| NR4020M750A | 75                                     | 1.16                                          | 7.7                                      | 0.35                                    | 0.7                                    |
| NR4020M820A | 82                                     | 1.17                                          | 7.2                                      | 0.34                                    | 0.5                                    |
| NR4020M101A | 100                                    | 1.55                                          | 6.3                                      | 0.31                                    | 0.48                                   |
| NR4026M1R0A | 1                                      | 0.023                                         | 151                                      | 3.09                                    | 3.39                                   |
| NR4026M1R2A | 1.2                                    | 0.029                                         | 120                                      | 2.36                                    | 3.19                                   |
| NR4026M1R5A | 1.5                                    | 0.039                                         | 100                                      | 2.36                                    | 2.47                                   |
| NR4026M2R2A | 2.2                                    | 0.039                                         | 96                                       | 2.06                                    | 2.16                                   |
| NR4026M3R3A | 3.3                                    | 0.048                                         | 58                                       | 1.75                                    | 1.85                                   |
| NR4026M4R7A | 4.7                                    | 0.053                                         | 46                                       | 1.64                                    | 1.49                                   |
| NR4026M6R8A | 6.8                                    | 0.063                                         | 33                                       | 1.54                                    | 1.33                                   |
| NR4026M100A | 10                                     | 0.082                                         | 26                                       | 1.33                                    | 1.03                                   |
| NR4026M150A | 15                                     | 0.107                                         | 19                                       | 1.13                                    | 0.92                                   |
| NR4026M220A | 22                                     | 0.16                                          | 13                                       | 0.92                                    | 0.62                                   |
| NR4026M330A | 33                                     | 0.262                                         | 9                                        | 0.72                                    | 0.56                                   |
| NR4026M470A | 47                                     | 0.291                                         | 6                                        | 0.67                                    | 0.41                                   |
| NR4030NR47A | 0.47                                   | 0.017                                         | 184                                      | 5.2                                     | 7.8                                    |
| NR4030NR68A | 0.68                                   | 0.016                                         | 130                                      | 4.56                                    | 6.8                                    |
| NR4030NR91A | 0.91                                   | 0.021                                         | 100                                      | 3.24                                    | 6.44                                   |
| NR4030M1R0A | 1                                      | 0.018                                         | 70                                       | 4.15                                    | 5.26                                   |
| NR4030M1R2A | 1.2                                    | 0.024                                         | 80                                       | 3.05                                    | 5.97                                   |
| NR4030M1R5A | 1.5                                    | 0.029                                         | 62                                       | 3.01                                    | 4.99                                   |
| NR4030M1R8A | 1.8                                    | 0.029                                         | 60                                       | 3.01                                    | 5.56                                   |
| NR4030M2R2A | 2.2                                    | 0.033                                         | 52                                       | 2.65                                    | 4.9                                    |

## NR Series

| Part Number | Inductance<br>( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm 30\%$ . | Self-resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>Irms (A) Max. | Saturation<br>Current<br>Isat (A) Max. |
|-------------|----------------------------------------|-----------------------------------------------|------------------------------------------|-----------------------------------------|----------------------------------------|
| NR4030M3R3A | 3.3                                    | 0.039                                         | 38                                       | 2.47                                    | 3.4                                    |
| NR4030M3R6A | 3.6                                    | 0.04                                          | 37                                       | 2.4                                     | 3                                      |
| NR4030M3R9A | 3.9                                    | 0.057                                         | 32                                       | 2.1                                     | 3                                      |
| NR4030M4R3A | 4.3                                    | 0.053                                         | 37                                       | 2.16                                    | 3.04                                   |
| NR4030M4R7A | 4.7                                    | 0.058                                         | 31                                       | 2.06                                    | 2.99                                   |
| NR4030M5R6A | 5.6                                    | 0.065                                         | 30                                       | 2.01                                    | 2.45                                   |
| NR4030M6R2A | 6.2                                    | 0.067                                         | 29                                       | 1.91                                    | 2.58                                   |
| NR4030M6R8A | 6.8                                    | 0.087                                         | 24                                       | 1.65                                    | 2.83                                   |
| NR4030M7R5A | 7.5                                    | 0.081                                         | 26                                       | 1.7                                     | 2.27                                   |
| NR4030M8R2A | 8.2                                    | 0.087                                         | 26                                       | 1.65                                    | 2.16                                   |
| NR4030M9R1A | 9.1                                    | 0.091                                         | 23                                       | 1.6                                     | 2.06                                   |
| NR4030M100A | 10                                     | 0.1                                           | 21                                       | 1.55                                    | 2.01                                   |
| NR4030M120A | 12                                     | 0.13                                          | 18                                       | 1.34                                    | 1.75                                   |
| NR4030M150A | 15                                     | 0.19                                          | 16                                       | 1.14                                    | 1.7                                    |
| NR4030M180A | 18                                     | 0.193                                         | 10                                       | 1.13                                    | 1.44                                   |
| NR4030M220A | 22                                     | 0.225                                         | 10                                       | 1.03                                    | 1.34                                   |
| NR4030M330A | 33                                     | 0.318                                         | 10                                       | 0.84                                    | 1.13                                   |
| NR4030M360A | 36                                     | 0.322                                         | 9.8                                      | 0.85                                    | 1.08                                   |
| NR4030M390A | 39                                     | 0.419                                         | 10                                       | 0.75                                    | 1.06                                   |
| NR4030M430A | 43                                     | 0.424                                         | 9.2                                      | 0.75                                    | 1.03                                   |
| NR4030M470A | 47                                     | 0.428                                         | 8.4                                      | 0.74                                    | 0.98                                   |
| NR4030M510A | 51                                     | 0.453                                         | 8.4                                      | 0.72                                    | 0.93                                   |
| NR4030M560A | 56                                     | 0.534                                         | 8.4                                      | 0.67                                    | 0.88                                   |
| NR4030M620A | 62                                     | 0.798                                         | 7                                        | 0.55                                    | 0.82                                   |
| NR4030M680A | 68                                     | 0.836                                         | 7                                        | 0.54                                    | 0.77                                   |
| NR4030M750A | 75                                     | 0.982                                         | 6.3                                      | 0.49                                    | 0.72                                   |
| NR4030M820A | 82                                     | 1.021                                         | 5.6                                      | 0.48                                    | 0.68                                   |
| NR4030M910A | 91                                     | 1.059                                         | 5.6                                      | 0.47                                    | 0.67                                   |
| NR4030M101A | 100                                    | 1.107                                         | 5.6                                      | 0.46                                    | 0.62                                   |
| NR4030M121A | 120                                    | 1.3                                           | 5.4                                      | 0.43                                    | 0.57                                   |
| NR4030M151A | 150                                    | 1.8                                           | 4                                        | 0.3                                     | 0.5                                    |
| NR4030M471A | 470                                    | 7.2                                           | 2                                        | 0.2                                     | 0.3                                    |
| NR4030M501A | 500                                    | 6.944                                         | 2                                        | 0.15                                    | 0.28                                   |
| NR4030M681A | 680                                    | 9.24                                          | 1.2                                      | 0.14                                    | 0.19                                   |



## NR Series

| Part Number | Inductance<br>( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm 30\%$ . | Self-resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>Irms (A) Max. | Saturation<br>Current<br>Isat (A) Max. |
|-------------|----------------------------------------|-----------------------------------------------|------------------------------------------|-----------------------------------------|----------------------------------------|
| NR4035NR47A | 0.47                                   | 0.008                                         | 176                                      | 5.2                                     | 7.8                                    |
| NR4035NR68A | 0.68                                   | 0.01                                          | 132                                      | 4.56                                    | 6.8                                    |
| NR4035M1R0A | 1                                      | 0.018                                         | 76                                       | 3.9                                     | 6.39                                   |
| NR4035M1R2A | 1.2                                    | 0.021                                         | 70                                       | 3.65                                    | 6.14                                   |
| NR4035M1R5A | 1.5                                    | 0.024                                         | 62                                       | 3.34                                    | 5.53                                   |
| NR4035M1R8A | 1.8                                    | 0.026                                         | 52                                       | 3.2                                     | 4.6                                    |
| NR4035M2R2A | 2.2                                    | 0.03                                          | 52                                       | 3.04                                    | 4.41                                   |
| NR4035M3R3A | 3.3                                    | 0.044                                         | 38                                       | 2.53                                    | 3.55                                   |
| NR4035M4R7A | 4.7                                    | 0.062                                         | 31                                       | 2.13                                    | 3.04                                   |
| NR4035M6R8A | 6.8                                    | 0.083                                         | 24                                       | 1.92                                    | 2.53                                   |
| NR4035M8R2A | 8.2                                    | 0.082                                         | 26                                       | 1.82                                    | 2.13                                   |
| NR4035M100A | 10                                     | 0.106                                         | 21                                       | 1.57                                    | 2.08                                   |
| NR4035M150A | 15                                     | 0.175                                         | 16                                       | 1.26                                    | 1.67                                   |
| NR4035M220A | 22                                     | 0.22                                          | 10                                       | 1.11                                    | 1.32                                   |
| NR4035M330A | 33                                     | 0.32                                          | 10                                       | 0.91                                    | 1.11                                   |
| NR4035M470A | 47                                     | 0.45                                          | 8.4                                      | 0.76                                    | 0.96                                   |
| NR4035M680A | 68                                     | 0.833                                         | 7                                        | 0.55                                    | 0.76                                   |
| NR4035M101A | 100                                    | 1.055                                         | 5.6                                      | 0.45                                    | 0.66                                   |
| NR4035M151A | 150                                    | 1.74                                          | 4                                        | 0.35                                    | 0.55                                   |
| NR5012M1R0A | 1                                      | 0.055                                         | 103                                      | 2.06                                    | 4.53                                   |
| NR5012M1R5A | 1.5                                    | 0.07                                          | 68                                       | 1.95                                    | 3.81                                   |
| NR5012M2R2A | 2.2                                    | 0.087                                         | 50                                       | 1.75                                    | 3.19                                   |
| NR5012M3R3A | 3.3                                    | 0.122                                         | 34                                       | 1.44                                    | 2.47                                   |
| NR5012M4R7A | 4.7                                    | 0.159                                         | 31                                       | 1.33                                    | 2.26                                   |
| NR5012M6R8A | 6.8                                    | 0.238                                         | 22                                       | 1.03                                    | 1.75                                   |
| NR5012M100A | 10                                     | 0.333                                         | 17                                       | 0.87                                    | 1.44                                   |
| NR5012M150A | 15                                     | 0.422                                         | 13                                       | 0.82                                    | 1.23                                   |
| NR5012M220A | 22                                     | 0.757                                         | 16                                       | 0.61                                    | 0.9                                    |
| NR5020NR47A | 0.47                                   | 0.013                                         | 160                                      | 4.6                                     | 6.15                                   |
| NR5020NR56A | 0.56                                   | 0.017                                         | 137                                      | 3.8                                     | 8.5                                    |
| NR5020NR68A | 0.68                                   | 0.017                                         | 120                                      | 4                                       | 5.5                                    |
| NR5020NR75A | 0.75                                   | 0.017                                         | 117                                      | 4                                       | 5.5                                    |
| NR5020N1R0A | 1                                      | 0.02                                          | 97                                       | 3.81                                    | 4.46                                   |
| NR5020M1R2A | 1.2                                    | 0.022                                         | 83                                       | 3.55                                    | 4.5                                    |

## NR Series

| Part Number | Inductance<br>( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm 30\%$ . | Self-resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>Irms (A) Max. | Saturation<br>Current<br>Isat (A) Max. |
|-------------|----------------------------------------|-----------------------------------------------|------------------------------------------|-----------------------------------------|----------------------------------------|
| NR5020N1R5A | 1.5                                    | 0.026                                         | 80                                       | 3.3                                     | 3.97                                   |
| NR5020M2R2A | 2.2                                    | 0.033                                         | 61                                       | 2.99                                    | 3.97                                   |
| NR5020M2R7A | 2.7                                    | 0.038                                         | 52                                       | 2.7                                     | 2.9                                    |
| NR5020M3R0A | 3                                      | 0.038                                         | 49                                       | 2.7                                     | 2.55                                   |
| NR5020M3R3A | 3.3                                    | 0.042                                         | 46                                       | 2.47                                    | 3.25                                   |
| NR5020M3R6A | 3.6                                    | 0.043                                         | 43                                       | 2.5                                     | 2.8                                    |
| NR5020M3R9A | 3.9                                    | 0.043                                         | 40                                       | 2.5                                     | 2.3                                    |
| NR5020M4R3A | 4.3                                    | 0.057                                         | 37                                       | 2.2                                     | 2.5                                    |
| NR5020M4R7A | 4.7                                    | 0.057                                         | 33                                       | 2.2                                     | 2.5                                    |
| NR5020M5R1A | 5.1                                    | 0.064                                         | 32                                       | 2.05                                    | 2.25                                   |
| NR5020M5R6A | 5.6                                    | 0.064                                         | 32                                       | 2.05                                    | 2.3                                    |
| NR5020M6R8A | 6.8                                    | 0.084                                         | 30                                       | 1.75                                    | 1.85                                   |
| NR5020M7R5A | 7.5                                    | 0.09                                          | 26                                       | 1.75                                    | 1.85                                   |
| NR5020M8R2A | 8.2                                    | 0.098                                         | 26                                       | 1.65                                    | 1.85                                   |
| NR5020M9R1A | 9.1                                    | 0.11                                          | 24                                       | 1.55                                    | 1.7                                    |
| NR5020M100A | 10                                     | 0.106                                         | 24                                       | 1.55                                    | 1.79                                   |
| NR5020M120A | 12                                     | 0.14                                          | 22                                       | 1.4                                     | 1.5                                    |
| NR5020M150A | 15                                     | 0.159                                         | 20                                       | 1.29                                    | 1.48                                   |
| NR5020M180A | 18                                     | 0.2                                           | 16                                       | 1.15                                    | 1.25                                   |
| NR5020M220A | 22                                     | 0.226                                         | 16                                       | 1.08                                    | 1.15                                   |
| NR5020M330A | 33                                     | 0.356                                         | 13                                       | 0.85                                    | 1                                      |
| NR5020M470A | 47                                     | 0.505                                         | 11                                       | 0.72                                    | 0.83                                   |
| NR5020M560A | 56                                     | 0.63                                          | 6                                        | 0.7                                     | 0.77                                   |
| NR5020M680A | 68                                     | 0.852                                         | 8.8                                      | 0.55                                    | 0.72                                   |
| NR5020M820A | 82                                     | 0.89                                          | 6                                        | 0.5                                     | 0.65                                   |
| NR5020M101A | 100                                    | 1.021                                         | 6                                        | 0.5                                     | 0.59                                   |
| NR5020M121A | 120                                    | 1.35                                          | 6                                        | 0.4                                     | 0.42                                   |
| NR5020M201A | 200                                    | 2                                             | 4.5                                      | 0.4                                     | 0.3                                    |
| NR5040NR47A | 0.47                                   | 0.007                                         | 171                                      | 6.6                                     | 10                                     |
| NR5040M1R0A | 1                                      | 0.012                                         | 117                                      | 4.9                                     | 7.35                                   |
| NR5040M1R2A | 1.2                                    | 0.016                                         | 110                                      | 4.15                                    | 6.5                                    |
| NR5040M1R5A | 1.5                                    | 0.015                                         | 60                                       | 4.58                                    | 6.3                                    |
| NR5040M1R8A | 1.8                                    | 0.016                                         | 55                                       | 4.15                                    | 5.5                                    |
| NR5040M2R2A | 2.2                                    | 0.019                                         | 42                                       | 4.07                                    | 4.9                                    |

## NR Series

| Part Number | Inductance<br>( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm 30\%$ . | Self-resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>Irms (A) Max. | Saturation<br>Current<br>Isat (A) Max. |
|-------------|----------------------------------------|-----------------------------------------------|------------------------------------------|-----------------------------------------|----------------------------------------|
| NR5040M2R7A | 2.7                                    | 0.022                                         | 37                                       | 3.6                                     | 4.3                                    |
| NR5040M3R0A | 3                                      | 0.022                                         | 37                                       | 3.6                                     | 4.15                                   |
| NR5040M3R3A | 3.3                                    | 0.024                                         | 32                                       | 3.4                                     | 3.95                                   |
| NR5040M3R6A | 3.6                                    | 0.026                                         | 30                                       | 3.3                                     | 3.8                                    |
| NR5040M3R9A | 3.9                                    | 0.027                                         | 29                                       | 3.2                                     | 3.55                                   |
| NR5040M4R7A | 4.7                                    | 0.03                                          | 28                                       | 3.19                                    | 3.5                                    |
| NR5040M5R6A | 5.6                                    | 0.035                                         | 27                                       | 2.8                                     | 3                                      |
| NR5040M6R8A | 6.8                                    | 0.041                                         | 21                                       | 2.5                                     | 2.9                                    |
| NR5040M8R2A | 8.2                                    | 0.048                                         | 20                                       | 2.3                                     | 2.7                                    |
| NR5040M100A | 10                                     | 0.06                                          | 18                                       | 2.16                                    | 2.35                                   |
| NR5040M120A | 12                                     | 0.077                                         | 14                                       | 2                                       | 2.2                                    |
| NR5040M150A | 15                                     | 0.085                                         | 13                                       | 2                                       | 2.37                                   |
| NR5040M180A | 18                                     | 0.119                                         | 12                                       | 1.45                                    | 1.7                                    |
| NR5040M220A | 22                                     | 0.129                                         | 9                                        | 1.5                                     | 1.6                                    |
| NR5040M270A | 27                                     | 0.188                                         | 9.8                                      | 1.1                                     | 1.52                                   |
| NR5040M330A | 33                                     | 0.184                                         | 7                                        | 1.2                                     | 1.3                                    |
| NR5040M470A | 47                                     | 0.272                                         | 6                                        | 1                                       | 1.1                                    |
| NR5040M510A | 51                                     | 0.38                                          | 6                                        | 1                                       | 1                                      |
| NR5040M560A | 56                                     | 0.38                                          | 6                                        | 0.8                                     | 1.05                                   |
| NR5040M680A | 68                                     | 0.4                                           | 6                                        | 0.8                                     | 0.9                                    |
| NR5040M750A | 75                                     | 0.45                                          | 6                                        | 0.72                                    | 0.85                                   |
| NR5040M101A | 100                                    | 0.56                                          | 5                                        | 0.7                                     | 0.75                                   |
| NR5040M151A | 150                                    | 0.75                                          | 3.7                                      | 0.6                                     | 0.65                                   |
| NR5040M221A | 220                                    | 1.8                                           | 3                                        | 0.4                                     | 0.48                                   |
| NR5040M301A | 300                                    | 2                                             | 2.7                                      | 0.35                                    | 0.5                                    |
| NR5040M331A | 330                                    | 2.1                                           | 2.7                                      | 0.4                                     | 0.42                                   |
| NR5040M471A | 470                                    | 3                                             | 2.7                                      | 0.35                                    | 0.37                                   |
| NR5040M561A | 560                                    | 3.78                                          | 1.52                                     | 0.25                                    | 0.26                                   |
| NR5040M681A | 680                                    | 3.9                                           | 1.6                                      | 0.25                                    | 0.3                                    |
| NR5045N1R5A | 1.5                                    | 0.017                                         | 78                                       | 5.2                                     | 7.4                                    |
| NR5045M2R2A | 2.2                                    | 0.022                                         | 50                                       | 4.7                                     | 6.4                                    |
| NR5045M3R3A | 3.3                                    | 0.027                                         | 36                                       | 4.2                                     | 6.4                                    |
| NR5045M100A | 10                                     | 0.061                                         | 17                                       | 2.5                                     | 3.2                                    |
| NR5045M220A | 22                                     | 0.125                                         | 10                                       | 1.55                                    | 2                                      |

## NR Series

| Part Number | Inductance<br>( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm 30\%$ . | Self-resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>Irms (A) Max. | Saturation<br>Current<br>Isat (A) Max. |
|-------------|----------------------------------------|-----------------------------------------------|------------------------------------------|-----------------------------------------|----------------------------------------|
| NR6010M1R5A | 1.5                                    | 0.087                                         | 91                                       | 1.95                                    | 2.47                                   |
| NR6010M2R2A | 2.2                                    | 0.107                                         | 64                                       | 1.75                                    | 1.95                                   |
| NR6010M3R3A | 3.3                                    | 0.131                                         | 51                                       | 1.54                                    | 1.64                                   |
| NR6010M4R7A | 4.7                                    | 0.16                                          | 42                                       | 1.44                                    | 1.33                                   |
| NR6010M6R8A | 6.8                                    | 0.213                                         | 30                                       | 1.23                                    | 1.23                                   |
| NR6010M100A | 10                                     | 0.261                                         | 25                                       | 1.13                                    | 1.03                                   |
| NR6010M220A | 22                                     | 0.563                                         | 12                                       | 0.72                                    | 0.66                                   |
| NR6012N1R0A | 1                                      | 0.054                                         | 80                                       | 2.36                                    | 3.62                                   |
| NR6012N1R5A | 1.5                                    | 0.073                                         | 65                                       | 2.06                                    | 2.81                                   |
| NR6012N2R5A | 2.5                                    | 0.087                                         | 45                                       | 1.85                                    | 2.16                                   |
| NR6012N3R3A | 3.3                                    | 0.102                                         | 42                                       | 1.75                                    | 1.85                                   |
| NR6012N4R7A | 4.7                                    | 0.121                                         | 36                                       | 1.59                                    | 1.64                                   |
| NR6012N5R3A | 5.3                                    | 0.121                                         | 34                                       | 1.59                                    | 1.54                                   |
| NR6012N6R8A | 6.8                                    | 0.16                                          | 30                                       | 1.39                                    | 1.33                                   |
| NR6012M100A | 10                                     | 0.194                                         | 22                                       | 1.23                                    | 1.03                                   |
| NR6012M150A | 15                                     | 0.286                                         | 18                                       | 0.82                                    | 0.82                                   |
| NR6012M220A | 22                                     | 0.451                                         | 12                                       | 0.66                                    | 0.78                                   |
| NR6012M330A | 33                                     | 0.563                                         | 8                                        | 0.56                                    | 0.6                                    |
| NR6012M470A | 47                                     | 0.786                                         | 6                                        | 0.47                                    | 0.53                                   |
| NR6012M680A | 68                                     | 1.125                                         | 3                                        | 0.42                                    | 0.45                                   |
| NR6012M101A | 100                                    | 1.62                                          | 1                                        | 0.33                                    | 0.36                                   |
| NR6020NR50A | 0.5                                    | 0.012                                         | 130                                      | 4.17                                    | 5.05                                   |
| NR6020NR68A | 0.68                                   | 0.016                                         | 120                                      | 3.91                                    | 7.73                                   |
| NR6020NR82A | 0.82                                   | 0.016                                         | 110                                      | 3.91                                    | 6.8                                    |
| NR6020M1R0A | 1                                      | 0.019                                         | 94                                       | 3.35                                    | 4.27                                   |
| NR6020M1R2A | 1.2                                    | 0.021                                         | 88                                       | 3.3                                     | 6.08                                   |
| NR6020M1R5A | 1.5                                    | 0.021                                         | 79                                       | 3.3                                     | 4.38                                   |
| NR6020M1R8A | 1.8                                    | 0.027                                         | 68                                       | 2.83                                    | 5                                      |
| NR6020M2R0A | 2                                      | 0.033                                         | 64                                       | 2.52                                    | 4.43                                   |
| NR6020M2R2A | 2.2                                    | 0.027                                         | 61                                       | 2.83                                    | 3.86                                   |
| NR6020M2R7A | 2.7                                    | 0.033                                         | 56                                       | 2.68                                    | 4.02                                   |
| NR6020M3R3A | 3.3                                    | 0.033                                         | 51                                       | 2.68                                    | 3.24                                   |
| NR6020M3R9A | 3.9                                    | 0.047                                         | 46                                       | 2.16                                    | 3.35                                   |
| NR6020M4R3A | 4.3                                    | 0.047                                         | 44                                       | 2.16                                    | 2.78                                   |

## NR Series

| Part Number | Inductance<br>( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm 30\%$ . | Self-resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>Irms (A) Max. | Saturation<br>Current<br>Isat (A) Max. |
|-------------|----------------------------------------|-----------------------------------------------|------------------------------------------|-----------------------------------------|----------------------------------------|
| NR6020M4R7A | 4.7                                    | 0.056                                         | 41                                       | 2.06                                    | 3.09                                   |
| NR6020M5R6A | 5.6                                    | 0.056                                         | 36                                       | 1.96                                    | 2.47                                   |
| NR6020M6R2A | 6.2                                    | 0.076                                         | 35                                       | 1.85                                    | 2.37                                   |
| NR6020M6R8A | 6.8                                    | 0.076                                         | 31                                       | 1.85                                    | 2.27                                   |
| NR6020M8R2A | 8.2                                    | 0.101                                         | 28                                       | 1.44                                    | 2.16                                   |
| NR6020M100A | 10                                     | 0.101                                         | 27                                       | 1.44                                    | 1.8                                    |
| NR6020M120A | 12                                     | 0.116                                         | 23                                       | 1.39                                    | 1.75                                   |
| NR6020M150A | 15                                     | 0.139                                         | 21                                       | 1.24                                    | 1.55                                   |
| NR6020M180A | 18                                     | 0.168                                         | 19                                       | 1.13                                    | 1.27                                   |
| NR6020M220A | 22                                     | 0.196                                         | 16                                       | 1.03                                    | 1.29                                   |
| NR6020M330A | 33                                     | 0.3                                           | 11                                       | 0.84                                    | 0.95                                   |
| NR6020M470A | 47                                     | 0.43                                          | 10                                       | 0.8                                     | 0.7                                    |
| NR6028NR82A | 0.82                                   | 0.012                                         | 97                                       | 5.2                                     | 6.5                                    |
| NR6028M1R0A | 1                                      | 0.01                                          | 70                                       | 5.2                                     | 5.75                                   |
| NR6028M1R2A | 1.2                                    | 0.013                                         | 69                                       | 4.58                                    | 6.4                                    |
| NR6028M1R5A | 1.5                                    | 0.012                                         | 65                                       | 4.72                                    | 6.18                                   |
| NR6028M2R2A | 2.2                                    | 0.018                                         | 56                                       | 4.21                                    | 5.25                                   |
| NR6028M2R7A | 2.7                                    | 0.019                                         | 48                                       | 3.86                                    | 3.91                                   |
| NR6028M3R3A | 3.3                                    | 0.024                                         | 41                                       | 3.58                                    | 3.74                                   |
| NR6028M4R7A | 4.7                                    | 0.029                                         | 35                                       | 3.17                                    | 3.09                                   |
| NR6028M5R1A | 5.1                                    | 0.033                                         | 33                                       | 2.98                                    | 3.66                                   |
| NR6028M6R2A | 6.2                                    | 0.039                                         | 30                                       | 2.66                                    | 3.14                                   |
| NR6028M6R8A | 6.8                                    | 0.045                                         | 27                                       | 2.47                                    | 2.94                                   |
| NR6028M8R2A | 8.2                                    | 0.068                                         | 24                                       | 2.32                                    | 2.68                                   |
| NR6028M9R1A | 9.1                                    | 0.058                                         | 24                                       | 2.21                                    | 2.63                                   |
| NR6028M100A | 10                                     | 0.069                                         | 23                                       | 2.01                                    | 2.1                                    |
| NR6028M120A | 12                                     | 0.077                                         | 18                                       | 1.91                                    | 1.85                                   |
| NR6028M150A | 15                                     | 0.12                                          | 18                                       | 1.49                                    | 1.8                                    |
| NR6028M180A | 18                                     | 0.116                                         | 15                                       | 1.49                                    | 1.57                                   |
| NR6028M220A | 22                                     | 0.135                                         | 14                                       | 1.44                                    | 1.65                                   |
| NR6028M270A | 27                                     | 0.149                                         | 13                                       | 1.36                                    | 1.55                                   |
| NR6028M330A | 33                                     | 0.2                                           | 12                                       | 1.26                                    | 1.39                                   |
| NR6028M360A | 36                                     | 0.207                                         | 11                                       | 1.16                                    | 1.29                                   |
| NR6028M390A | 39                                     | 0.216                                         | 11                                       | 1.13                                    | 1.29                                   |

## NR Series

| Part Number | Inductance<br>( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm 30\%$ . | Self-resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>Irms (A) Max. | Saturation<br>Current<br>Isat (A) Max. |
|-------------|----------------------------------------|-----------------------------------------------|------------------------------------------|-----------------------------------------|----------------------------------------|
| NR6028M430A | 43                                     | 0.226                                         | 11                                       | 1.1                                     | 1.24                                   |
| NR6028M470A | 47                                     | 0.315                                         | 9.5                                      | 1.09                                    | 1.18                                   |
| NR6028M510A | 51                                     | 0.255                                         | 9.5                                      | 1.04                                    | 1.08                                   |
| NR6028M560A | 56                                     | 0.345                                         | 8.2                                      | 0.89                                    | 1.05                                   |
| NR6028M620A | 62                                     | 0.332                                         | 7.7                                      | 0.92                                    | 0.98                                   |
| NR6028M680A | 68                                     | 0.347                                         | 7.7                                      | 0.89                                    | 0.98                                   |
| NR6028M750A | 75                                     | 0.395                                         | 7.7                                      | 0.83                                    | 0.93                                   |
| NR6028M820A | 82                                     | 0.428                                         | 7.7                                      | 0.8                                     | 0.93                                   |
| NR6028M910A | 91                                     | 0.486                                         | 7.7                                      | 0.75                                    | 0.82                                   |
| NR6028M101A | 100                                    | 0.524                                         | 7.1                                      | 0.72                                    | 0.77                                   |
| NR6028M401A | 400                                    | 2.16                                          | 2.8                                      | 0.4                                     | 0.3                                    |
| NR6040M1R0A | 1                                      | 0.0078                                        | 97                                       | 6.48                                    | 9.27                                   |
| NR6040M100A | 10                                     | 0.047                                         | 16                                       | 2.52                                    | 3.29                                   |
| NR6040M120A | 12                                     | 0.056                                         | 14                                       | 2.26                                    | 2.88                                   |
| NR6040M150A | 15                                     | 0.066                                         | 13                                       | 2.11                                    | 2.57                                   |
| NR6040M220A | 22                                     | 0.086                                         | 10                                       | 1.85                                    | 2.11                                   |
| NR6040M330A | 33                                     | 0.133                                         | 9.9                                      | 1.49                                    | 1.69                                   |
| NR6040M560A | 56                                     | 0.214                                         | 6.6                                      | 1.13                                    | 1.33                                   |
| NR6040M680A | 68                                     | 0.276                                         | 5.6                                      | 0.97                                    | 1.18                                   |
| NR6040M471A | 470                                    | 1.74                                          | 2                                        | 0.48                                    | 0.43                                   |
| NR6045NR47A | 0.47                                   | 0.006                                         | 155                                      | 6.5                                     | 15                                     |
| NR6045NR56A | 0.56                                   | 0.006                                         | 142                                      | 6.5                                     | 14                                     |
| NR6045NR68A | 0.68                                   | 0.006                                         | 99                                       | 5.7                                     | 11                                     |
| NR6045NR82A | 0.82                                   | 0.007                                         | 140                                      | 6.08                                    | 10.71                                  |
| NR6045N1R0A | 1                                      | 0.01                                          | 100                                      | 5.29                                    | 10.15                                  |
| NR6045M1R2A | 1.2                                    | 0.01                                          | 100                                      | 5.56                                    | 8.6                                    |
| NR6045M1R3A | 1.3                                    | 0.01                                          | 100                                      | 5.4                                     | 8.35                                   |
| NR6045M1R5A | 1.5                                    | 0.011                                         | 65                                       | 5.1                                     | 9.06                                   |
| NR6045M1R8A | 1.8                                    | 0.011                                         | 74                                       | 5.1                                     | 7.83                                   |
| NR6045N2R2A | 2.2                                    | 0.014                                         | 52                                       | 4.74                                    | 6.95                                   |
| NR6045M2R3A | 2.3                                    | 0.02                                          | 60                                       | 3.61                                    | 6.18                                   |
| NR6045M2R7A | 2.7                                    | 0.02                                          | 38                                       | 4.43                                    | 5.92                                   |
| NR6045M3R0A | 3                                      | 0.019                                         | 35                                       | 3.91                                    | 5.77                                   |
| NR6045M3R3A | 3.3                                    | 0.02                                          | 32                                       | 3.81                                    | 6.08                                   |

## NR Series

| Part Number | Inductance<br>( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm 30\%$ . | Self-resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>Irms (A) Max. | Saturation<br>Current<br>Isat (A) Max. |
|-------------|----------------------------------------|-----------------------------------------------|------------------------------------------|-----------------------------------------|----------------------------------------|
| NR6045M3R6A | 3.6                                    | 0.02                                          | 28                                       | 3.81                                    | 5.41                                   |
| NR6045M4R3A | 4.3                                    | 0.021                                         | 23                                       | 3.61                                    | 4.58                                   |
| NR6045M4R5A | 4.5                                    | 0.026                                         | 24                                       | 3.3                                     | 4.97                                   |
| NR6045M4R7A | 4.7                                    | 0.024                                         | 24                                       | 3.4                                     | 5.12                                   |
| NR6045M5R1A | 5.1                                    | 0.024                                         | 23                                       | 3.4                                     | 4.53                                   |
| NR6045M5R6A | 5.6                                    | 0.027                                         | 23                                       | 3.24                                    | 4.27                                   |
| NR6045M6R2A | 6.2                                    | 0.03                                          | 26                                       | 3.09                                    | 4.56                                   |
| NR6045M6R3A | 6.3                                    | 0.031                                         | 26                                       | 3                                       | 4.43                                   |
| NR6045M6R8A | 6.8                                    | 0.03                                          | 20                                       | 3.09                                    | 4.02                                   |
| NR6045M7R5A | 7.5                                    | 0.033                                         | 18                                       | 2.99                                    | 3.61                                   |
| NR6045M8R2A | 8.2                                    | 0.041                                         | 21                                       | 2.68                                    | 4.02                                   |
| NR6045M9R1A | 9.1                                    | 0.041                                         | 17                                       | 2.68                                    | 3.45                                   |
| NR6045M100A | 10                                     | 0.046                                         | 15                                       | 2.52                                    | 3.3                                    |
| NR6045M120A | 12                                     | 0.056                                         | 13                                       | 2.27                                    | 2.88                                   |
| NR6045M150A | 15                                     | 0.065                                         | 12                                       | 2.11                                    | 2.58                                   |
| NR6045M180A | 18                                     | 0.078                                         | 10                                       | 1.91                                    | 2.27                                   |
| NR6045M220A | 22                                     | 0.11                                          | 10                                       | 1.85                                    | 2.11                                   |
| NR6045M270A | 27                                     | 0.098                                         | 9.2                                      | 1.7                                     | 1.96                                   |
| NR6045M300A | 30                                     | 0.127                                         | 7.8                                      | 1.55                                    | 1.75                                   |
| NR6045M330A | 33                                     | 0.137                                         | 7.8                                      | 1.49                                    | 1.7                                    |
| NR6045M360A | 36                                     | 0.166                                         | 7.8                                      | 1.44                                    | 1.67                                   |
| NR6045M390A | 39                                     | 0.173                                         | 7.8                                      | 1.29                                    | 1.55                                   |
| NR6045M430A | 43                                     | 0.193                                         | 7.7                                      | 1.24                                    | 1.68                                   |
| NR6045M470A | 47                                     | 0.193                                         | 6.4                                      | 1.24                                    | 1.44                                   |
| NR6045M510A | 51                                     | 0.199                                         | 6.4                                      | 1.18                                    | 1.39                                   |
| NR6045M560A | 56                                     | 0.25                                          | 6.4                                      | 1.13                                    | 1.34                                   |
| NR6045M620A | 62                                     | 0.226                                         | 6.4                                      | 1.13                                    | 1.29                                   |
| NR6045M680A | 68                                     | 0.278                                         | 6.4                                      | 1.03                                    | 1.24                                   |
| NR6045M750A | 75                                     | 0.293                                         | 5                                        | 0.98                                    | 1.18                                   |
| NR6045M820A | 82                                     | 0.328                                         | 4.9                                      | 0.93                                    | 1.08                                   |
| NR6045M910A | 91                                     | 0.345                                         | 4.9                                      | 0.88                                    | 1.03                                   |
| NR6045M101A | 100                                    | 0.416                                         | 4.2                                      | 0.82                                    | 0.98                                   |
| NR6045M121A | 120                                    | 0.466                                         | 4.2                                      | 0.79                                    | 0.88                                   |
| NR6045M151A | 150                                    | 0.559                                         | 4.2                                      | 0.72                                    | 0.82                                   |

## NR Series

| Part Number | Inductance<br>( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm 30\%$ . | Self-resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>Irms (A) Max. | Saturation<br>Current<br>Isat (A) Max. |
|-------------|----------------------------------------|-----------------------------------------------|------------------------------------------|-----------------------------------------|----------------------------------------|
| NR6045M221A | 220                                    | 0.803                                         | 3.5                                      | 0.61                                    | 0.72                                   |
| NR6045M331A | 330                                    | 1.27                                          | 2.8                                      | 0.59                                    | 0.59                                   |
| NR6045M471A | 470                                    | 2.6                                           | 2.1                                      | 0.2                                     | 0.2                                    |
| NR6045M681A | 680                                    | 2.5                                           | 1.7                                      | 0.33                                    | 0.42                                   |
| NR6045M102A | 1000                                   | 5.231                                         | 0                                        | 0.21                                    | 0.24                                   |
| NR6055M3R3A | 3.3                                    | 0.019                                         | 32                                       | 3.99                                    | 6.07                                   |
| NR6055M4R7A | 4.7                                    | 0.024                                         | 24                                       | 3.63                                    | 4.95                                   |
| NR6055M6R8A | 6.8                                    | 0.026                                         | 20                                       | 3.53                                    | 3.94                                   |
| NR6055M8R2A | 8.2                                    | 0.037                                         | 21                                       | 2.93                                    | 3.93                                   |
| NR6055M100A | 10                                     | 0.041                                         | 15                                       | 2.73                                    | 3.34                                   |
| NR6055M150A | 15                                     | 0.056                                         | 12                                       | 2.37                                    | 2.56                                   |
| NR6055M220A | 22                                     | 0.076                                         | 10                                       | 2.03                                    | 2.27                                   |
| NR6055M330A | 33                                     | 0.13                                          | 7.8                                      | 1.56                                    | 1.66                                   |
| NR6055M470A | 47                                     | 0.193                                         | 6.4                                      | 1.26                                    | 1.62                                   |
| NR6055M680A | 68                                     | 0.271                                         | 6.4                                      | 1.02                                    | 1.26                                   |
| NR6055M101A | 100                                    | 0.333                                         | 4.2                                      | 0.96                                    | 1.06                                   |
| NR6055M151A | 150                                    | 0.527                                         | 4.2                                      | 0.76                                    | 0.92                                   |
| NR6055M221A | 220                                    | 0.796                                         | 3.5                                      | 0.61                                    | 0.71                                   |
| NR6055M331A | 330                                    | 1.232                                         | 2.8                                      | 0.5                                     | 0.57                                   |
| NR8040NR82A | 0.82                                   | 0.007                                         | 94                                       | 6.49                                    | 14.21                                  |
| NR8040M1R0A | 1                                      | 0.007                                         | 89                                       | 6.49                                    | 10.15                                  |
| NR8040M1R2A | 1.2                                    | 0.01                                          | 59                                       | 5.65                                    | 10                                     |
| NR8040M1R5A | 1.5                                    | 0.01                                          | 67                                       | 5.82                                    | 8.39                                   |
| NR8040M2R0A | 2                                      | 0.011                                         | 43                                       | 5.3                                     | 9.53                                   |
| NR8040M2R2A | 2.2                                    | 0.011                                         | 41                                       | 5.3                                     | 7.31                                   |
| NR8040M3R0A | 3                                      | 0.013                                         | 32                                       | 4.84                                    | 6.28                                   |
| NR8040M3R3A | 3.3                                    | 0.016                                         | 27                                       | 4.53                                    | 6.7                                    |
| NR8040M3R6A | 3.6                                    | 0.016                                         | 30                                       | 4.48                                    | 7.75                                   |
| NR8040M3R9A | 3.9                                    | 0.016                                         | 26                                       | 4.48                                    | 5.92                                   |
| NR8040M4R7A | 4.7                                    | 0.018                                         | 24                                       | 4.22                                    | 6.08                                   |
| NR8040M5R1A | 5.1                                    | 0.018                                         | 22                                       | 4.17                                    | 4.84                                   |
| NR8040M5R6A | 5.6                                    | 0.02                                          | 24                                       | 3.97                                    | 6.18                                   |
| NR8040M6R2A | 6.2                                    | 0.02                                          | 20                                       | 3.97                                    | 4.58                                   |
| NR8040M6R8A | 6.8                                    | 0.023                                         | 20                                       | 3.71                                    | 4.69                                   |



## NR Series

| Part Number | Inductance<br>( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm 30\%$ . | Self-resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>Irms (A) Max. | Saturation<br>Current<br>Isat (A) Max. |
|-------------|----------------------------------------|-----------------------------------------------|------------------------------------------|-----------------------------------------|----------------------------------------|
| NR8040M8R2A | 8.2                                    | 0.024                                         | 17                                       | 3.55                                    | 4.33                                   |
| NR8040M100A | 10                                     | 0.0285                                        | 15                                       | 3.3                                     | 3.71                                   |
| NR8040M120A | 12                                     | 0.041                                         | 13                                       | 2.8                                     | 3.5                                    |
| NR8040M150A | 15                                     | 0.045                                         | 12                                       | 2.68                                    | 3.04                                   |
| NR8040M180A | 18                                     | 0.05                                          | 11                                       | 2.47                                    | 2.78                                   |
| NR8040M220A | 22                                     | 0.066                                         | 9.5                                      | 2.16                                    | 2.47                                   |
| NR8040M270A | 27                                     | 0.075                                         | 9.2                                      | 2.06                                    | 2.21                                   |
| NR8040M330A | 33                                     | 0.097                                         | 7.8                                      | 1.85                                    | 2.11                                   |
| NR8040M360A | 36                                     | 0.098                                         | 7.8                                      | 1.8                                     | 2.06                                   |
| NR8040M390A | 39                                     | 0.103                                         | 7.8                                      | 1.75                                    | 2.01                                   |
| NR8040M430A | 43                                     | 0.108                                         | 7.8                                      | 1.7                                     | 1.96                                   |
| NR8040M470A | 47                                     | 0.13                                          | 6.4                                      | 1.6                                     | 1.8                                    |
| NR8040M510A | 51                                     | 0.136                                         | 6.4                                      | 1.55                                    | 1.75                                   |
| NR8040M560A | 56                                     | 0.148                                         | 6.4                                      | 1.49                                    | 1.6                                    |
| NR8040M620A | 62                                     | 0.175                                         | 6.4                                      | 1.34                                    | 1.55                                   |
| NR8040M680A | 68                                     | 0.188                                         | 4.9                                      | 1.29                                    | 1.49                                   |
| NR8040M750A | 75                                     | 0.203                                         | 4.9                                      | 1.24                                    | 1.39                                   |
| NR8040M820A | 82                                     | 0.225                                         | 5.9                                      | 1.18                                    | 1.34                                   |
| NR8040M910A | 91                                     | 0.261                                         | 4.9                                      | 1.08                                    | 1.24                                   |
| NR8040M101A | 100                                    | 0.279                                         | 4.2                                      | 1.03                                    | 1.18                                   |
| NR8040M121A | 120                                    | 0.321                                         | 3.5                                      | 0.98                                    | 1.08                                   |
| NR8040M151A | 150                                    | 0.41                                          | 3.5                                      | 0.88                                    | 1.13                                   |
| NR8040M181A | 180                                    | 0.52                                          | 3.5                                      | 0.83                                    | 0.95                                   |
| NR8040M221A | 220                                    | 0.576                                         | 3.5                                      | 0.82                                    | 0.88                                   |
| NR8040M331A | 330                                    | 0.856                                         | 2.8                                      | 0.64                                    | 0.7                                    |
| NR8040M471A | 470                                    | 1.5                                           | 2.1                                      | 0.54                                    | 0.6                                    |
| NR8040M561A | 560                                    | 2                                             | 1.6                                      | 0.3                                     | 0.3                                    |
| NR8040M681A | 680                                    | 2.2                                           | 1.2                                      | 0.25                                    | 0.25                                   |
| NR8040M821A | 820                                    | 3                                             | 0.8                                      | 0.2                                     | 0.2                                    |
| NR8040M102A | 1000                                   | 4                                             | 0.5                                      | 0.15                                    | 0.15                                   |
| NR8060K681A | 680                                    | 1.67                                          | 1.26                                     | 0.46                                    | 0.72                                   |
| NR8065MR68A | 0.68                                   | 0.006                                         | 100                                      | 7.65                                    | 24.5                                   |
| NR8065M1R0A | 1                                      | 0.008                                         | 96                                       | 7.13                                    | 20.3                                   |
| NR8065M2R2A | 2.2                                    | 0.012                                         | 45                                       | 4.56                                    | 12.2                                   |

## NR Series

| Part Number | Inductance<br>( $\mu$ H)<br>@100KHz/1V | DC<br>Resistance<br>( $\Omega$ ) $\pm 30\%$ . | Self-resonant<br>Frequency<br>(MHz) Min. | Heat Rating<br>Current<br>I <sub>rms</sub> (A) Max. | Saturation<br>Current<br>I <sub>sat</sub> (A) Max. |
|-------------|----------------------------------------|-----------------------------------------------|------------------------------------------|-----------------------------------------------------|----------------------------------------------------|
| NR8065M3R3A | 3.3                                    | 0.013                                         | 27                                       | 5.25                                                | 9.78                                               |
| NR8065M4R7A | 4.7                                    | 0.016                                         | 18                                       | 4.84                                                | 8.75                                               |
| NR8065M5R6A | 5.6                                    | 0.02                                          | 17                                       | 4.63                                                | 8.24                                               |
| NR8065M6R8A | 6.8                                    | 0.02                                          | 16                                       | 4.63                                                | 7.72                                               |
| NR8065M8R2A | 8.2                                    | 0.023                                         | 15                                       | 4.32                                                | 7.21                                               |
| NR8065M100A | 10                                     | 0.033                                         | 13                                       | 3.26                                                | 8.15                                               |
| NR8065M150A | 15                                     | 0.04                                          | 10                                       | 3.35                                                | 5.8                                                |
| NR8065M220A | 22                                     | 0.055                                         | 8                                        | 2.76                                                | 4.42                                               |
| NR8065M470A | 47                                     | 0.11                                          | 7                                        | 1.88                                                | 3.46                                               |
| NR8065M560A | 56                                     | 0.15                                          | 6                                        | 1.38                                                | 3.25                                               |
| NR8065M680A | 68                                     | 0.16                                          | 5                                        | 1.57                                                | 2.4                                                |
| NR8065M101A | 100                                    | 0.21                                          | 3.1                                      | 1.37                                                | 2.03                                               |
| NR8065M151A | 150                                    | 0.33                                          | 2.5                                      | 0.97                                                | 1.63                                               |
| NR8065M221A | 220                                    | 0.49                                          | 2                                        | 0.81                                                | 1.22                                               |
| NR8065M331A | 330                                    | 0.64                                          | 1.7                                      | 0.77                                                | 1.03                                               |
| NR8065M431A | 430                                    | 0.9                                           | 1.5                                      | 0.62                                                | 0.97                                               |
| NR8065M471A | 470                                    | 1.15                                          | 1.4                                      | 0.56                                                | 1.02                                               |
| NR8065M681A | 680                                    | 1.48                                          | 1                                        | 0.52                                                | 0.87                                               |
| NR8065M102A | 1000                                   | 2.15                                          | 1.1                                      | 0.41                                                | 0.66                                               |
| NR8065M152A | 1500                                   | 3.34                                          | 0.7                                      | 0.33                                                | 0.55                                               |
| NR8065M222A | 2200                                   | 4.6                                           | 0.7                                      | 0.27                                                | 0.46                                               |
| NR8065M332A | 3300                                   | 10.8                                          | 0.7                                      | 0.23                                                | 0.36                                               |
| NR8065M472A | 4700                                   | 11.1                                          | 0.4                                      | 0.19                                                | 0.3                                                |
| NR8065M682A | 6800                                   | 17.1                                          | 0.4                                      | 0.15                                                | 0.27                                               |
| NR8065M103A | 10000                                  | 20.5                                          | 0.4                                      | 0.14                                                | 0.21                                               |