

SMDインダクタ

SMD INDUCTORS



| | | | |
|----------------|-------------------|------------|---------------------------------|
| OPERATING TEMP | 03, 04, 05, 06タイプ | -25~+105°C | (製品自己発熱を含む) |
| | 08タイプ | -25~+85°C | (Including self-generated heat) |

特長 FEATURES

- ・省スペース及び低背化
- ・大電流対応
- ・SMT対応

- ・ Small surface area and low profile.
- ・ Designed for high current applications where a surface mount component is required.
- ・ Available in embossed tape and reel.

用途 APPLICATIONS

- ・ HDD、デジタルビデオカメラ、ノート型パソコンなど各種機器の電源回路、DC / DCコンバータ等

- ・ Power supply circuits/DC-DC converters in a variety of applications where compact size is vital, such as digital camcorders, HDD, notebook PCs, etc.

形名表記法 ORDERING CODE

1

| 形式 | |
|-----|-------------------|
| N△ | チョークコイル(非シールドタイプ) |
| N P | チョークコイル(シールドタイプ) |

△=スペース

3

| 形状 | |
|--------|------------|
| D P | ドラム形(台座付き) |
| D Z | ドラム形(台座なし) |
| S△, SZ | ドラム応用形 |

△=スペース

5

| 公称インダクタンス[μH] | |
|---------------|------|
| 例 | |
| 1R0 | 1.0 |
| 100 | 10 |
| 102 | 1000 |

※R=小数点

7

| 当社管理記号 | |
|--------|-----|
| △△ | 標準品 |

△=スペース

2

| コア寸法(mm) | |
|----------|-----|
| 03 | 3.8 |
| 04 | 4.7 |
| 05 | 5.6 |
| 06 | 6.8 |
| 08 | 9.0 |

4

| 高さ寸法(mm) | | | | | |
|----------|---------|---------|---------|---------|---------|
| | 03タイプ | 04タイプ | 05タイプ | 06タイプ | 08タイプ |
| A | — | 3.0max. | — | — | 6.0max. |
| B | 1.8max. | 2.0max. | 2.8max. | 3.2max. | 5.0max. |

6

| インダクタンス許容差 | |
|------------|------|
| J | ±5% |
| K | ±10% |
| M | ±20% |
| N | ±30% |

N P 0 6 D Z B 1 0 1 K ○ ○

1 2 3 4 5 6 7

1

| Type | |
|------|--------------------------------|
| N△ | Choke coil (non-shielded type) |
| N P | Choke coil (shielded type) |

△=Blank space

3

| Shape | |
|--------|--------------------------|
| D P | Drum type (With base) |
| D Z | Drum type (Without base) |
| S△, SZ | Applied drum type |

△=Blank space

5

| Nominal inductance[μH] | |
|------------------------|------|
| example | |
| 1R0 | 1.0 |
| 100 | 10 |
| 102 | 1000 |

※R=Decimal point

7

| Internal code | |
|---------------|------------------|
| △△ | Standard product |

△=Blank space

2

| Core dimension(mm) | |
|--------------------|-----|
| 03 | 3.8 |
| 04 | 4.7 |
| 05 | 5.6 |
| 06 | 6.8 |
| 08 | 9.0 |

4

| Height(mm) | | | | | |
|------------|---------|---------|---------|---------|---------|
| | 03 type | 04 type | 05 type | 06 type | 08 type |
| A | — | 3.0max. | — | — | 6.0max. |
| B | 1.8max. | 2.0max. | 2.8max. | 3.2max. | 5.0max. |

6

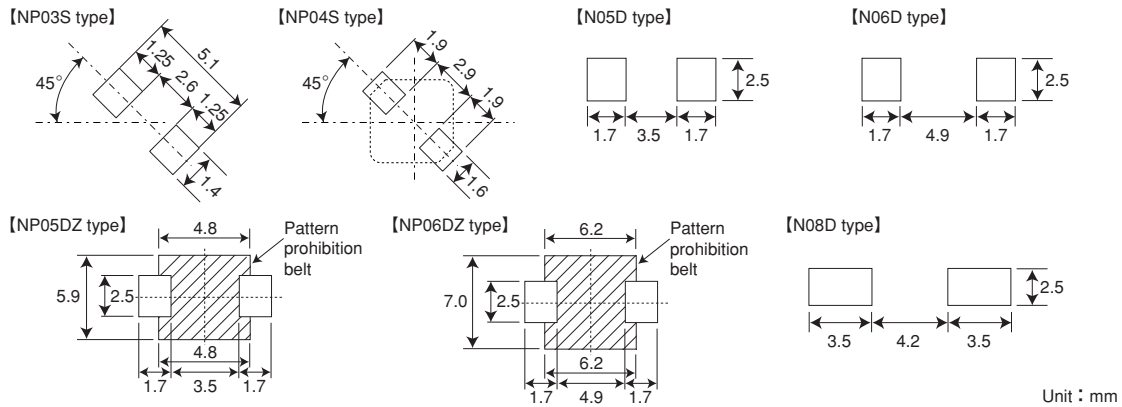
| Inductance tolerance | |
|----------------------|------|
| J | ±5% |
| K | ±10% |
| M | ±20% |
| N | ±30% |

外形寸法 EXTERNAL DIMENSIONS

| Type | 非シールド Non-Shielded type | | 磁気シールド Shielded type | | | | 非シールド Non-Shielded type | | |
|---------------------|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|----------------------------|---------------------------|----------------|
| | N05D | N06D | NP03S | NP04S | | NP05DZ | NP06DZ | N08DP | |
| Fig. | | | | | | | | | |
| 高さ記号 Height code | B | B | B | A | B, ZB | B | B | A | B |
| L | 5.9±0.3 (0.232±0.012) | 7.3±0.3 (0.287±0.012) | 4.0±0.2 (0.157±0.008) | 5.0±0.2 (0.197±0.008) | 5.0±0.2 (0.197±0.008) | 5.9±0.3 (0.232±0.012) | 7.0±0.3 (0.276±0.012) | 9.0±0.2 (0.354±0.008) | |
| W | 6.1±0.3 (0.240±0.012) | 7.5±0.3 (0.295±0.012) | 4.0±0.2 (0.157±0.008) | 5.0±0.2 (0.197±0.008) | 5.0±0.2 (0.197±0.008) | 6.1±0.3 (0.240±0.012) | 7.5±0.3 (0.295±0.012) | 10.6±0.2 (0.417±0.008) | |
| H(max.) | 2.8 (0.110) | 3.2 (0.126) | 1.8 (0.071) | 3.0 (0.118) | 2.0 (0.079) | 2.8 (0.110) | 3.2 (0.126) | 6.0 (0.236) | 5.0 (0.197) |
| a | 2.0±0.3 (0.079±0.012) | 2.0±0.3 (0.079±0.012) | 1.1±0.1 (0.043±0.004) | 1.3±0.1 (0.051±0.004) | 1.3±0.1 (0.051±0.004) | 2.0±0.3 (0.079±0.012) | 2.0±0.3 (0.079±0.012) | 1.6±0.2 (0.063±0.008) | |
| b | 4.2±0.3 (0.165±0.012) | 5.7±0.3 (0.224±0.012) | 4.5±0.2 (0.177±0.008) | 5.8±0.3 (0.228±0.012) | 5.8±0.3 (0.228±0.012) | 4.2±0.3 (0.165±0.012) | 5.7±0.3 (0.224±0.012) | 5.1±0.2 (0.201±0.008) | |

Unit : mm (inch)

推奨ランドパターン Recommended Land Patterns



概略バリエーション AVAILABLE INDUCTANCE RANGE

| Type | N05D | | N06D | | NP03S | | NP04S | | NP04SZ | NP05DZ | | NP06DZ | | N08DP | | | | | | |
|-------------------|----------------|-------------------------|----------------|-------------------------|----------------|-------------------------|----------------|-------------------------|----------------|-------------------------|------------|-------------------------|------------|-------------------------|------------|-------------------------|------------|-------------------------|------|------|
| 高さ記号 (min.) | B (2.8max.) | | B (3.2max.) | | B (1.8max.) | | A (3.0max.) | B (2.0max.) | B (2.0max.) | B (2.8max.) | | B (3.2max.) | | A (6.0max.) | | B (5.0max.) | | | | |
| Inductance (H) | Rdc (Ω) | I _{max} (A) | Rdc (Ω) | I _{max} (A) | Rdc (Ω) | I _{max} (A) | Rdc (Ω) | I _{max} (A) | Rdc (Ω) | I _{max} (A) | Rdc (Ω) | I _{max} (A) | Rdc (Ω) | I _{max} (A) | Rdc (Ω) | I _{max} (A) | Rdc (Ω) | I _{max} (A) | | |
| 1μ | 0.021 | 3.7 | 0.021 | 3.9 | 0.023 | 2.5 | 0.036 | 1.3 | 0.030 | 3.0 | 0.019 | 4.2 | 0.019 | 4.6 | 0.028 | 3.9 | 0.023 | 4.0 | | |
| 10μ | 0.1 | 1.6 | 0.079 | 1.7 | 0.12 | 0.8 | 0.052 | 0.9 | 0.13 | 1.2 | 0.062 | 1.4 | 0.075 | 2.0 | 0.066 | 2.2 | 0.069 | 2.2 | | |
| 100μ | 0.83 | 0.55 | 0.68 | 0.6 | 0.43 | 0.45 | 0.16 | 0.44 | 0.32 | 0.38 | 0.37 | 0.64 | 0.84 | 0.45 | 0.70 | 0.64 | 0.35 | 1.05 | 0.49 | 0.82 |
| 1000μ | | | 8.2 | 0.16 | | | | | | | | | 7.1 | 0.18 | 3.1 | 0.34 | 4.4 | 0.27 | | |

セレクションガイド
Selection Guide

アイテム一覧
Part Numbers

特性図
Electrical Characteristics

梱包
Packaging

信頼性
Reliability Data

使用上の注意
Precautions



etc

NP03SBシールドタイプ Shielded type

| 形名 Ordering code | EHS (Environmental Hazardous Substances) | 公称 インダクタンス Inductance [μH] | インダクタンス 許容差 Inductance Tolerance | 自己共振 周波数 Self-resonant frequency [MHz] (min.) | 直流抵抗 DC Resistance [mΩ] | | | 定格電流 ※) Rated current [A] | | 測定 周波数 Measuring frequency |
|---------------------|---|-------------------------------------|---|--|----------------------------------|--------|--|--|------|-------------------------------------|
| | | | | | (max.) | (typ.) | 直流重畳許容電流 Saturation current Idc1 | 温度上昇許容電流 Temperature rise current Idc2 | | |
| NP03SB 1R0M | RoHS | 1.0 | ±20% | 60 | 27 | 23 | 2.60 | 2.50 | 1kHz | |
| NP03SB 1R5M | RoHS | 1.5 | | 52 | 32 | 27 | 2.20 | 2.30 | | |
| NP03SB 2R0M | RoHS | 2.0 | | 45 | 38 | 32 | 1.90 | 2.00 | | |
| NP03SB 2R7M | RoHS | 2.7 | | 39 | 44 | 37 | 1.60 | 1.80 | | |
| NP03SB 3R3M | RoHS | 3.3 | | 33 | 50 | 42 | 1.30 | 1.60 | | |
| NP03SB 4R7M | RoHS | 4.7 | | 30 | 56 | 47 | 1.20 | 1.50 | | |
| NP03SB 6R8M | RoHS | 6.8 | | 24 | 100 | 84 | 1.00 | 1.10 | | |
| NP03SB 100M | RoHS | 10 | | 20 | 120 | 100 | 0.80 | 1.00 | | |
| NP03SB 150M | RoHS | 15 | | 19 | 270 | 230 | 0.66 | 0.70 | | |
| NP03SB 220M | RoHS | 22 | | 14 | 340 | 290 | 0.54 | 0.60 | | |
| NP03SB 330M | RoHS | 33 | 10 | 430 | 360 | 0.45 | 0.50 | | | |

NP04SAシールドタイプ Shielded type

| 形名 Ordering code | EHS (Environmental Hazardous Substances) | 公称 インダクタンス Inductance [μH] | インダクタンス 許容差 Inductance Tolerance | 自己共振 周波数 Self-resonant frequency [MHz] (min.) | 直流抵抗 DC Resistance [mΩ] | | | 定格電流 ※) Rated current [A] | | 測定 周波数 Measuring frequency |
|---------------------|---|-------------------------------------|---|--|----------------------------------|--------|--|--|------|-------------------------------------|
| | | | | | (max.) | (typ.) | 直流重畳許容電流 Saturation current Idc1 | 温度上昇許容電流 Temperature rise current Idc2 | | |
| NP04SA 100M | RoHS | 10 | ±20% | 20 | 52 | 45 | 0.90 | 2.20 | 1kHz | |
| NP04SA 220M | RoHS | 22 | | 13 | 110 | 90 | 0.53 | 1.50 | | |
| NP04SA 330M | RoHS | 33 | | 12 | 160 | 130 | 0.44 | 1.20 | | |

NP04SBシールドタイプ Shielded type

| 形名 Ordering code | EHS (Environmental Hazardous Substances) | 公称 インダクタンス Inductance [μH] | インダクタンス 許容差 Inductance Tolerance | 自己共振 周波数 Self-resonant frequency [MHz] (min.) | 直流抵抗 DC Resistance [mΩ] | | | 定格電流 ※) Rated current [A] | | 測定 周波数 Measuring frequency |
|---------------------|---|-------------------------------------|---|--|----------------------------------|--------|--|--|------|-------------------------------------|
| | | | | | (max.) | (typ.) | 直流重畳許容電流 Saturation current Idc1 | 温度上昇許容電流 Temperature rise current Idc2 | | |
| NP04SB 3R3N | RoHS | 3.3 | ±30% | 40 | 36 | 30 | 1.30 | 2.60 | 1kHz | |
| NP04SB 4R7N | RoHS | 4.7 | | 30 | 50 | 33 | 1.20 | 2.30 | | |
| NP04SB 6R8N | RoHS | 6.8 | | 27 | 53 | 43 | 1.05 | 2.00 | | |
| NP04SB 100M | RoHS | 10 | ±20% | 19 | 66 | 54 | 0.90 | 1.90 | | |
| NP04SB 150M | RoHS | 15 | | 15 | 120 | 100 | 0.62 | 1.40 | | |
| NP04SB 220M | RoHS | 22 | | 12 | 150 | 120 | 0.51 | 1.20 | | |
| NP04SB 330M | RoHS | 33 | | 10 | 260 | 210 | 0.42 | 1.10 | | |
| NP04SB 470M | RoHS | 47 | | 8 | 320 | 270 | 0.38 | 0.80 | | |

NP04SZシールドタイプ Shielded type

| 形名 Ordering code | EHS (Environmental Hazardous Substances) | 公称 インダクタンス Inductance [μH] | インダクタンス 許容差 Inductance Tolerance | 自己共振 周波数 Self-resonant frequency [MHz] (min.) | 直流抵抗 DC Resistance [mΩ] | | | 定格電流 ※) Rated current [A] | | 測定 周波数 Measuring frequency |
|---------------------|---|-------------------------------------|---|--|----------------------------------|--------|--|--|------|-------------------------------------|
| | | | | | (max.) | (typ.) | 直流重畳許容電流 Saturation current Idc1 | 温度上昇許容電流 Temperature rise current Idc2 | | |
| NP04SZB 1R0N | RoHS | 1.0 | ±30% | 96 | 30 | 21 | 4.00 | 3.20 | 1kHz | |
| NP04SZB 1R5N | RoHS | 1.5 | | 72 | 35 | 25 | 3.30 | 2.80 | | |
| NP04SZB 2R2N | RoHS | 2.2 | | 60 | 42 | 30 | 2.70 | 2.50 | | |
| NP04SZB 2R7N | RoHS | 2.7 | | 52 | 46 | 33 | 2.50 | 2.30 | | |
| NP04SZB 3R3N | RoHS | 3.3 | | 30 | 60 | 40 | 2.20 | 2.00 | | |
| NP04SZB 4R7N | RoHS | 4.7 | | 27 | 100 | 75 | 1.80 | 1.60 | | |
| NP04SZB 6R8N | RoHS | 6.8 | | 19 | 120 | 90 | 1.50 | 1.40 | | |
| NP04SZB 100M | RoHS | 10 | ±20% | 15 | 130 | 100 | 1.30 | 1.20 | | |
| NP04SZB 150M | RoHS | 15 | | 12 | 250 | 180 | 0.95 | 0.95 | | |
| NP04SZB 220M | RoHS | 22 | | 10 | 300 | 210 | 0.77 | 0.77 | | |
| NP04SZB 300M | RoHS | 30 | | 8.5 | 370 | 270 | 0.64 | 0.68 | | |

※) 直流重畳許容電流(Idc1)は、直流重畳によるインダクタンス低下が30%以内となる直流電流値 (at 20℃)
The saturation current value(Idc1) is the DC current value having inductance decrease down to 30%. (at 20℃)

※) 温度上昇許容電流(Idc2)は、温度上昇が40℃となる直流電流値 (at 20℃)
The temperature rise current value(Idc2) is the DC current value having temperature increase up to 40℃. (at 20℃)

※) 定格電流値は直流重畳許容電流、または温度上昇許容電流をいずれも満足する直流電流値
The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

N05DB 非シールドタイプ Non-Shielded type

| 形名 Ordering code | EHS (Environmental Hazardous Substances) | 公称 インダクタンス Inductance [μH] | インダクタンス 許容差 Inductance Tolerance | 自己共振 周波数 Self-resonant frequency [MHz] (min.) | 直流抵抗 DC Resistance [Ω] (max.) | 定格電流 Rated current [A] (max.) | 測定 周波数 Measuring frequency |
|---------------------|---|-------------------------------------|---|--|---|---|-------------------------------------|
| N 05DB 1R0M | RoHS | 1.0 | ±20% | 85 | 0.021 | 3.7 | 1kHz |
| N 05DB 1R5M | RoHS | 1.5 | | 69 | 0.025 | 3.2 | |
| N 05DB 2R2M | RoHS | 2.2 | | 51 | 0.032 | 2.9 | |
| N 05DB 3R3M | RoHS | 3.3 | | 45 | 0.040 | 2.5 | |
| N 05DB 4R7M | RoHS | 4.7 | | 35 | 0.049 | 2.2 | |
| N 05DB 6R8M | RoHS | 6.8 | | 30 | 0.070 | 2.1 | |
| N 05DB 100K | RoHS | 10 | ±10% | 25 | 0.10 | 1.6 | |
| N 05DB 150K | RoHS | 15 | | 24 | 0.16 | 1.40 | |
| N 05DB 220K | RoHS | 22 | | 18 | 0.22 | 1.20 | |
| N 05DB 330K | RoHS | 33 | | 14 | 0.35 | 0.80 | |
| N 05DB 470K | RoHS | 47 | | 12 | 0.43 | 0.75 | |
| N 05DB 680K | RoHS | 68 | | 9.7 | 0.66 | 0.65 | |
| N 05DB 101K | RoHS | 100 | | 8.3 | 0.83 | 0.55 | |

NP05DZBシールドタイプ Shielded type

| 形名 Ordering code | EHS (Environmental Hazardous Substances) | 公称 インダクタンス Inductance [μH] | インダクタンス 許容差 Inductance Tolerance | 自己共振 周波数 Self-resonant frequency [MHz] (min.) | 直流抵抗 DC Resistance [mΩ] (max.) | 定格電流 ※) Rated current [A] | | 測定 周波数 Measuring frequency |
|---------------------|---|-------------------------------------|---|--|--|--|--|-------------------------------------|
| | | | | | | 直流重畳許容電流 Saturation current Idc1 | 温度上昇許容電流 Temperature rise current Idc2 | |
| NP05DZB 1R0M | RoHS | 1.0 | ±20% | 86 | 19 | 4.20 | 4.50 | 1kHz |
| NP05DZB 1R5M | RoHS | 1.5 | | 68 | 23 | 3.70 | 4.20 | |
| NP05DZB 2R2M | RoHS | 2.2 | | 54 | 26 | 3.00 | 3.70 | |
| NP05DZB 3R3M | RoHS | 3.3 | | 41 | 31 | 2.40 | 3.20 | |
| NP05DZB 4R7M | RoHS | 4.7 | | 34 | 38 | 2.00 | 3.00 | |
| NP05DZB 6R8M | RoHS | 6.8 | | 26 | 53 | 1.70 | 2.40 | |
| NP05DZB 100M | RoHS | 10 | | 25 | 62 | 1.40 | 2.10 | |
| NP05DZB 150M | RoHS | 15 | | 20 | 97 | 1.10 | 1.70 | |
| NP05DZB 220M | RoHS | 22 | | 16 | 150 | 0.90 | 1.26 | |
| NP05DZB 330M | RoHS | 33 | | 13 | 240 | 0.76 | 1.08 | |
| NP05DZB 470M | RoHS | 47 | | 11 | 400 | 0.66 | 0.77 | |
| NP05DZB 680M | RoHS | 68 | | 9.5 | 460 | 0.54 | 0.68 | |
| NP05DZB 101M | RoHS | 100 | | 7.7 | 840 | 0.45 | 0.49 | |

※) 直流重畳許容電流(Idc1)は、直流重畳によるインダクタンス低下が30%以内となる直流電流値 (at 20℃)

The saturation current value(Idc1) is the DC current value having inductance decrease down to 30%. (at 20℃)

※) 温度上昇許容電流(Idc2)は、温度上昇が40℃となる直流電流値 (at 20℃)

The temperature rise current value(Idc2) is the DC current value having temperature increase up to 40℃. (at 20℃)

※) 定格電流値は直流重畳許容電流、または温度上昇許容電流をいずれも満足する直流電流値

The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

N06DB 非シールドタイプ Non-Shielded type

| 形名 Ordering code | EHS (Environmental Hazardous Substances) | 公称 インダクタンス Inductance [μH] | インダクタンス 許容差 Inductance Tolerance | 自己共振 周波数 Self-resonant frequency [MHz] (min.) | 直流抵抗 DC Resistance [Ω] (max.) | 定格電流 Rated current [A] (max.) | 測定 周波数 Measuring frequency |
|---------------------|---|-------------------------------------|---|--|---|---|-------------------------------------|
| N 06D B1R0M | RoHS | 1.0 | ±20% | 87 | 0.021 | 3.9 | 1kHz |
| N 06D B2R2M | RoHS | 2.2 | | 53 | 0.029 | 3.2 | |
| N 06D B4R7M | RoHS | 4.7 | | 33 | 0.046 | 2.5 | |
| N 06D B100K | RoHS | 10 | ±10% | 22 | 0.079 | 1.7 | |
| N 06D B150K | RoHS | 15 | | 18 | 0.12 | 1.3 | |
| N 06D B220K | RoHS | 22 | | 13 | 0.17 | 1.1 | |
| N 06D B330K | RoHS | 33 | | 9.8 | 0.25 | 0.95 | |
| N 06D B470K | RoHS | 47 | | 8.8 | 0.32 | 0.80 | |
| N 06D B680K | RoHS | 68 | | 8.1 | 0.45 | 0.70 | |
| N 06D B101K | RoHS | 100 | | 7.9 | 0.68 | 0.60 | |
| N 06D B151K | RoHS | 150 | | 6.0 | 1.0 | 0.48 | |
| N 06D B221K | RoHS | 220 | | 5.2 | 1.4 | 0.40 | |
| N 06D B331K | RoHS | 330 | | 4.4 | 2.3 | 0.32 | |
| N 06D B471K | RoHS | 470 | 3.4 | 3.6 | 0.25 | | |
| N 06D B681K | RoHS | 680 | 2.6 | 4.6 | 0.21 | | |
| N 06D B102J | RoHS | 1000 | ±5% | 2.1 | 8.2 | 0.16 | |

NP06DZB シールドタイプ Shielded type

| 形名 Ordering code | EHS (Environmental Hazardous Substances) | 公称 インダクタンス Inductance [μH] | インダクタンス 許容差 Inductance Tolerance | 自己共振 周波数 Self-resonant frequency [MHz] (min.) | 直流抵抗 DC Resistance [mΩ] (max.) | 定格電流 ※) Rated current [A] | | 測定 周波数 Measuring frequency |
|---------------------|---|-------------------------------------|---|--|--|--|--|-------------------------------------|
| | | | | | | 直流重畳許容電流 Saturation current Idc1 | 温度上昇許容電流 Temperature rise current Idc2 | |
| NP06DZB 1R0M | RoHS | 1.0 | ±20% | 90 | 19 | 6.90 | 4.60 | 1kHz |
| NP06DZB 1R5M | RoHS | 1.5 | | 71 | 23 | 5.80 | 4.00 | |
| NP06DZB 2R2M | RoHS | 2.2 | | 53 | 26 | 5.10 | 3.60 | |
| NP06DZB 3R3M | RoHS | 3.3 | | 39 | 34 | 3.60 | 3.30 | |
| NP06DZB 4R7M | RoHS | 4.7 | | 36 | 38 | 3.00 | 3.00 | |
| NP06DZB 6R8M | RoHS | 6.8 | | 28 | 52 | 2.80 | 2.50 | |
| NP06DZB 100M | RoHS | 10 | | 20 | 75 | 2.10 | 2.00 | |
| NP06DZB 150M | RoHS | 15 | | 17 | 110 | 1.80 | 1.70 | |
| NP06DZB 220M | RoHS | 22 | | 14 | 160 | 1.50 | 1.40 | |
| NP06DZB 330M | RoHS | 33 | | 10 | 210 | 1.30 | 1.10 | |
| NP06DZB 470M | RoHS | 47 | | 9.3 | 310 | 1.03 | 0.91 | |
| NP06DZB 680M | RoHS | 68 | | 8.0 | 450 | 0.90 | 0.73 | |
| NP06DZB 101M | RoHS | 100 | | 6.7 | 700 | 0.65 | 0.64 | |
| NP06DZB 151M | RoHS | 150 | | 5.3 | 890 | 0.59 | 0.56 | |
| NP06DZB 221M | RoHS | 220 | | 4.8 | 1500 | 0.49 | 0.42 | |
| NP06DZB 331M | RoHS | 330 | | 3.7 | 2500 | 0.39 | 0.31 | |
| NP06DZB 471M | RoHS | 470 | | 3.0 | 3000 | 0.31 | 0.29 | |
| NP06DZB 681M | RoHS | 680 | | 2.5 | 5500 | 0.23 | 0.23 | |
| NP06DZB 102M | RoHS | 1000 | | 2.0 | 7100 | 0.18 | 0.18 | |

※) 直流重畳許容電流(Idc1)は、直流重畳によるインダクタンス低下が30%以内となる直流電流値 (at 20℃)
The saturation current value(Idc1) is the DC current value having inductance decrease down to 30%. (at 20℃)

※) 温度上昇許容電流(Idc2)は、温度上昇が40℃となる直流電流値 (at 20℃)
The temperature rise current value(Idc2) is the DC current value having temperature increase up to 40℃. (at 20℃)

※) 定格電流値は直流重畳許容電流、または温度上昇許容電流をいずれも満足する直流電流値
The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

N08DPA 非シールドタイプ Non-Shielded type

| 形名 Ordering code | EHS (Environmental Hazardous Substances) | 公称 インダクタンス Inductance [μH] | インダクタンス 許容差 Inductance Tolerance | 自己共振 周波数 Self-resonant frequency [MHz] (min.) | 直流抵抗 DC Resistance [Ω] (max.) | 定格電流 Rated current [A] (max.) | 測定 周波数 Measuring frequency |
|---------------------|---|-------------------------------------|---|--|---|---|-------------------------------------|
| N 08DPA1R0M | RoHS | 1.0 | ±20% | 86 | 0.028 | 3.9 | 1kHz |
| N 08DPA1R5M | RoHS | 1.5 | | 69 | 0.030 | 3.4 | |
| N 08DPA2R2M | RoHS | 2.2 | | 58 | 0.036 | 3.2 | |
| N 08DPA3R3M | RoHS | 3.3 | | 50 | 0.039 | 3.0 | |
| N 08DPA4R7M | RoHS | 4.7 | | 30 | 0.047 | 2.6 | |
| N 08DPA6R8M | RoHS | 6.8 | | 21 | 0.057 | 2.4 | |
| N 08DPA100K | RoHS | 10 | | 18 | 0.066 | 2.2 | |
| N 08DPA120K | RoHS | 12 | ±10% | 16 | 0.077 | 2.1 | |
| N 08DPA150K | RoHS | 15 | | 14 | 0.087 | 2.0 | |
| N 08DPA180K | RoHS | 18 | | 13 | 0.092 | 1.9 | |
| N 08DPA220K | RoHS | 22 | | 11 | 0.11 | 1.8 | |
| N 08DPA270K | RoHS | 27 | | 10 | 0.12 | 1.6 | |
| N 08DPA330K | RoHS | 33 | | 9.5 | 0.14 | 1.55 | |
| N 08DPA390K | RoHS | 39 | | 8.9 | 0.15 | 1.5 | |
| N 08DPA470K | RoHS | 47 | | 8.6 | 0.17 | 1.4 | |
| N 08DPA560K | RoHS | 56 | | 8.3 | 0.19 | 1.35 | |
| N 08DPA680K | RoHS | 68 | | 7.9 | 0.23 | 1.3 | |
| N 08DPA820K | RoHS | 82 | | 7.3 | 0.30 | 1.1 | |
| N 08DPA101K | RoHS | 100 | | 6.7 | 0.35 | 1.05 | |
| N 08DPA121K | RoHS | 120 | | 6.5 | 0.40 | 0.95 | |
| N 08DPA151K | RoHS | 150 | | 6.0 | 0.55 | 0.80 | |
| N 08DPA181K | RoHS | 180 | | 4.9 | 0.62 | 0.76 | |
| N 08DPA221K | RoHS | 220 | | 4.1 | 0.80 | 0.66 | |
| N 08DPA271K | RoHS | 270 | | 3.4 | 0.90 | 0.63 | |
| N 08DPA331K | RoHS | 330 | | 3.2 | 1.1 | 0.59 | |
| N 08DPA391K | RoHS | 390 | | 2.9 | 1.2 | 0.54 | |
| N 08DPA471K | RoHS | 470 | | 2.6 | 1.5 | 0.50 | |
| N 08DPA561K | RoHS | 560 | | 2.4 | 1.7 | 0.45 | |
| N 08DPA681K | RoHS | 680 | 2.2 | 2.4 | 0.38 | | |
| N 08DPA821K | RoHS | 820 | 1.9 | 2.6 | 0.36 | | |
| N 08DPA102J | RoHS | 1000 | ±5% | 1.8 | 3.1 | 0.34 | |

N08DPB 非シールドタイプ Non-Shielded type

| 形名 Ordering code | EHS (Environmental Hazardous Substances) | 公称 インダクタンス Inductance [μH] | インダクタンス 許容差 Inductance Tolerance | 自己共振 周波数 Self-resonant frequency [MHz] (min.) | 直流抵抗 DC Resistance [Ω] (max.) | 定格電流 Rated current [A] (max.) | 測定 周波数 Measuring frequency |
|---------------------|---|-------------------------------------|---|--|---|---|-------------------------------------|
| N 08DPB1R0M | RoHS | 1.0 | ±20% | 98 | 0.023 | 4.0 | 1kHz |
| N 08DPB1R5M | RoHS | 1.5 | | 73 | 0.028 | 3.7 | |
| N 08DPB2R2M | RoHS | 2.2 | | 56 | 0.032 | 3.4 | |
| N 08DPB3R3M | RoHS | 3.3 | | 42 | 0.037 | 3.2 | |
| N 08DPB4R7M | RoHS | 4.7 | | 32 | 0.047 | 2.7 | |
| N 08DPB6R8M | RoHS | 6.8 | | 26 | 0.057 | 2.4 | |
| N 08DPB100K | RoHS | 10 | | 21 | 0.069 | 2.2 | |
| N 08DPB120K | RoHS | 12 | ±10% | 20 | 0.074 | 2.1 | |
| N 08DPB150K | RoHS | 15 | | 17 | 0.087 | 2.0 | |
| N 08DPB180K | RoHS | 18 | | 16 | 0.099 | 1.9 | |
| N 08DPB220K | RoHS | 22 | | 14 | 0.12 | 1.8 | |
| N 08DPB270K | RoHS | 27 | | 13 | 0.15 | 1.5 | |
| N 08DPB330K | RoHS | 33 | | 12 | 0.18 | 1.4 | |
| N 08DPB390K | RoHS | 39 | | 11 | 0.19 | 1.3 | |
| N 08DPB470K | RoHS | 47 | | 10 | 0.22 | 1.2 | |
| N 08DPB560K | RoHS | 56 | | 9.2 | 0.29 | 1.1 | |
| N 08DPB680K | RoHS | 68 | | 8.3 | 0.34 | 1.0 | |
| N 08DPB820K | RoHS | 82 | | 7.6 | 0.39 | 0.94 | |
| N 08DPB101K | RoHS | 100 | | 7.3 | 0.49 | 0.82 | |
| N 08DPB121K | RoHS | 120 | | 6.8 | 0.54 | 0.79 | |
| N 08DPB151K | RoHS | 150 | | 6.2 | 0.66 | 0.75 | |
| N 08DPB181K | RoHS | 180 | | 5.8 | 0.75 | 0.68 | |
| N 08DPB221K | RoHS | 220 | | 5.0 | 0.92 | 0.63 | |
| N 08DPB271K | RoHS | 270 | | 4.5 | 1.1 | 0.56 | |
| N 08DPB331K | RoHS | 330 | | 4.2 | 1.5 | 0.48 | |
| N 08DPB391K | RoHS | 390 | | 4.0 | 1.7 | 0.45 | |
| N 08DPB471K | RoHS | 470 | | 3.0 | 2.1 | 0.41 | |
| N 08DPB561K | RoHS | 560 | | 2.7 | 2.4 | 0.38 | |
| N 08DPB681K | RoHS | 680 | 2.5 | 2.7 | 0.36 | | |
| N 08DPB821K | RoHS | 820 | 2.4 | 3.1 | 0.33 | | |
| N 08DPB102J | RoHS | 1000 | ±5% | 2.1 | 4.4 | 0.27 | |