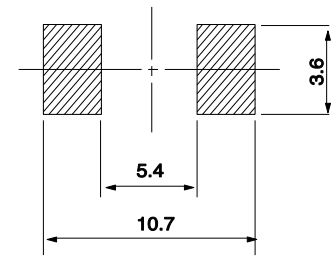
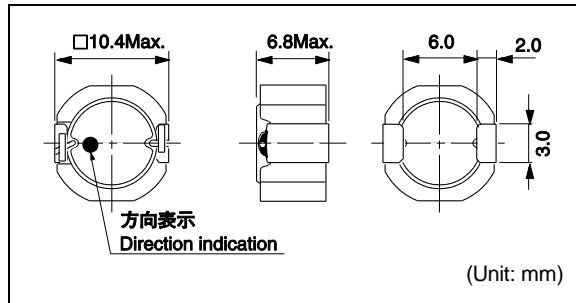


DS106C2

Inductance Range: 1.2~330μH


Recommended patterns
 推奨パターン図


(Unit: mm)

FEATURES 特長

- 10.4mm Max. square and 6.8mm Max. height.
- Magnetically shielded construction and low DC resistance.
- Suitable for large current.
- Ideal for DC-DC converter inductor applications.
- 10.4mm角Max.、高さ6.8mm Max.
- 閉磁路構造、低直流抵抗
- 大電流対応
- DC-DCコンバータ用インダクタに最適

STANDARD PART NUMBERS 標準品一覧
TYPE DS106C2 (Quantity/reel; 500 PCS)

| 品番 | インダクタンス ⁽¹⁾ | 許容差 | 直流抵抗 ⁽²⁾ | 直流電流許容電流 ⁽³⁾ | | 温度上昇許容電流 ⁽³⁾ |
|-----------------|-------------------------------------|---------------|---|--|-------------|---|
| Part Number | Inductance ⁽¹⁾ L (μH) | Tolerance (%) | DC Resistance ⁽²⁾ (mΩ) Max.(Typ.) | Inductance Decrease Current ⁽³⁾ (A) Max.(Typ.) | | Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.) |
| | | | | ΔL/L=10% | ΔL/L=30% | |
| #B966AS-1R2N=P3 | 1.2 | ±30 | 11 (9) | 12.0 (16.5) | 16.8 (22.4) | 7.2 (8.5) |
| #B966AS-1R8N=P3 | 1.8 | ±30 | 14 (11) | 9.8 (13.0) | 13.1 (17.4) | 6.7 (8.0) |
| #B966AS-2R7N=P3 | 2.7 | ±30 | 15 (12) | 8.1 (10.5) | 10.8 (14.4) | 6.1 (7.3) |
| #B966AS-3R9N=P3 | 3.9 | ±30 | 17 (14) | 7.1 (9.4) | 9.4 (12.5) | 5.6 (6.7) |
| #B966AS-4R7N=P3 | 4.7 | ±30 | 18 (15) | 6.1 (8.1) | 8.1 (10.8) | 5.4 (6.4) |
| #B966AS-6R8N=P3 | 6.8 | ±30 | 21 (17) | 5.2 (7.0) | 7.0 (9.3) | 5.0 (6.0) |
| #B966AS-8R2N=P3 | 8.2 | ±30 | 24 (20) | 4.8 (6.5) | 6.5 (8.6) | 4.6 (5.5) |
| #B966AS-100M=P3 | 10 | ±20 | 28 (23) | 4.4 (5.9) | 5.8 (7.8) | 4.3 (5.1) |
| #B966AS-120M=P3 | 12 | ±20 | 35 (29) | 3.9 (5.2) | 5.3 (7.0) | 3.7 (4.4) |
| #B966AS-160M=P3 | 16 | ±20 | 60 (50) | 3.3 (4.4) | 4.4 (5.9) | 2.7 (3.2) |
| #B966BS-180M=P3 | 18 | ±20 | 60 (50) | 2.8 (3.8) | 3.7 (4.9) | 2.6 (3.1) |
| #B966BS-220M=P3 | 22 | ±20 | 65 (54) | 2.7 (3.6) | 3.5 (4.6) | 2.5 (3.0) |
| #B966BS-270M=P3 | 27 | ±20 | 74 (61) | 2.4 (3.2) | 3.1 (4.1) | 2.3 (2.8) |
| #B966BS-330M=P3 | 33 | ±20 | 83 (69) | 2.1 (2.8) | 2.8 (3.7) | 2.2 (2.6) |
| #B966BS-390M=P3 | 39 | ±20 | 93 (77) | 1.9 (2.6) | 2.5 (3.4) | 2.0 (2.5) |
| #B966BS-470M=P3 | 47 | ±20 | 120 (97) | 1.8 (2.4) | 2.3 (3.1) | 1.8 (2.2) |
| #B966BS-560M=P3 | 56 | ±20 | 145 (120) | 1.6 (2.2) | 2.1 (2.9) | 1.6 (2.0) |
| #B966BS-680M=P3 | 68 | ±20 | 190 (155) | 1.4 (1.9) | 1.9 (2.5) | 1.4 (1.7) |
| #B966BS-101M=P3 | 100 | ±20 | 255 (210) | 1.2 (1.6) | 1.6 (2.1) | 1.2 (1.4) |
| #B966BS-151M=P3 | 150 | ±20 | 385 (320) | 1.0 (1.3) | 1.3 (1.8) | 0.97 (1.1) |
| #B966BS-221M=P3 | 220 | ±20 | 610 (505) | 0.84 (1.1) | 1.1 (1.4) | 0.76 (0.85) |
| #B966BS-271M=P3 | 270 | ±20 | 690 (575) | 0.75 (1.0) | 0.97 (1.3) | 0.71 (0.80) |
| #B966BS-331M=P3 | 330 | ±20 | 760 (630) | 0.69 (0.92) | 0.88 (1.2) | 0.68 (0.80) |

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz

(2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 25°C)

(3) Maximum allowable DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller.(Reference ambient temperature: 20°C)

(1) インダクタンスはLCRメータ4284A (Agilent Technologies) または同等品により測定する。
測定周波数は100kHz。

(2) 直流抵抗は測定器34420A (Agilent Technologies) または3541 (HIOKI) と同等品により測定する。(周囲温度25°C)

(3) 最大許容電流は、直流電流を流した時インダクタンスの値が初期値より10%減少する直流電流値、または直流電流により、コイルの温度が40°C上昇の何れか小さい値。(周囲温度20°Cを基準とする。)