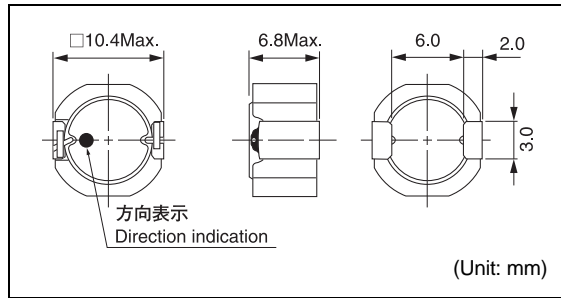
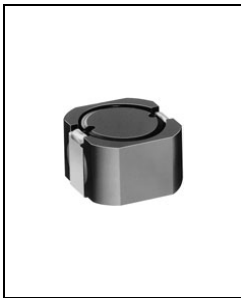
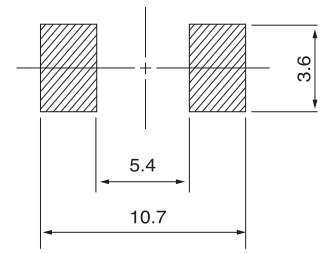


DS106C2

Inductance Range: 1.2~330 μ H



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 in hand held personal computer etc.
- RoHS compliant.
- 10.4mm角Max.、高さ6.8mm Max.
- 閉磁路構造、低直流抵抗
- 大電流対応
- ノート型パソコンなどのDC-DCコンバータ用インダクタに最適
- RoHS指令対応

TOKO STANDARD PART NUMBERS 東光 標準品一覧

TYPE DS106C2 (Quantity/reel; 500 PCS)

| 東光品番 | インダクタンス ⁽¹⁾ | 許容差 | 直流抵抗 ⁽²⁾ | 直流重畳許容電流 ⁽³⁾ | 温度上昇許容電流 ⁽³⁾ |
|------------------|---|---------------|--|---|--|
| TOKO Part Number | Inductance ⁽¹⁾ L (μ H) | Tolerance (%) | DC Resistance ⁽²⁾ (m Ω) Max. | Inductance Decrease Current ⁽³⁾ (A) Max. $\frac{\Delta L}{L} = 10\%$ | Temperature Rise Current ⁽³⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. |
| #B966AS-1R2N | 1.2 | ± 30 | 11 | 12 | 7.2 |
| #B966AS-1R8N | 1.8 | ± 30 | 14 | 9.8 | 6.7 |
| #B966AS-2R7N | 2.7 | ± 30 | 15 | 8.1 | 6.1 |
| #B966AS-3R9N | 3.9 | ± 30 | 17 | 7.1 | 5.6 |
| #B966AS-4R7N | 4.7 | ± 30 | 18 | 6.1 | 5.4 |
| #B966AS-6R8N | 6.8 | ± 30 | 21 | 5.2 | 5.0 |
| #B966AS-8R2N | 8.2 | ± 30 | 24 | 4.8 | 4.6 |
| #B966AS-100M | 10.0 | ± 20 | 28 | 4.4 | 4.3 |
| #B966AS-120M | 12.0 | ± 20 | 35 | 3.9 | 3.7 |
| #B966AS-160M | 16.0 | ± 20 | 60 | 3.3 | 2.7 |
| #B966AS-180M | 18.0 | ± 20 | 60 | 2.8 | 2.6 |
| #B966BS-220M | 22.0 | ± 20 | 65 | 2.7 | 2.5 |
| #B966BS-270M | 27.0 | ± 20 | 74 | 2.4 | 2.3 |
| #B966BS-330M | 33.0 | ± 20 | 83 | 2.1 | 2.2 |
| #B966BS-390M | 39.0 | ± 20 | 93 | 1.9 | 2.0 |
| #B966BS-470M | 47.0 | ± 20 | 120 | 1.8 | 1.8 |
| #B966BS-560M | 56.0 | ± 20 | 145 | 1.6 | 1.6 |
| #B966BS-680M | 68.0 | ± 20 | 190 | 1.4 | 1.4 |
| #B966BS-101M | 100.0 | ± 20 | 255 | 1.2 | 1.2 |
| #B966BS-151M | 150.0 | ± 20 | 385 | 1.0 | 0.97 |
| #B966BS-221M | 220.0 | ± 20 | 610 | 0.84 | 0.76 |
| #B966BS-271M | 270.0 | ± 20 | 690 | 0.75 | 0.71 |
| #B966BS-331M | 330.0 | ± 20 | 760 | 0.69 | 0.68 |

(1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent.
Test frequency at 100kHz
(2) DC resistance is measured with a Digital Multimeter TR6871 (Advantest) or equivalent.
(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) 直流抵抗はデジタルマルチメータTR6871 (Advantest) または同等品により測定する。
(3) 最大許容電流は、直流重畳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。)