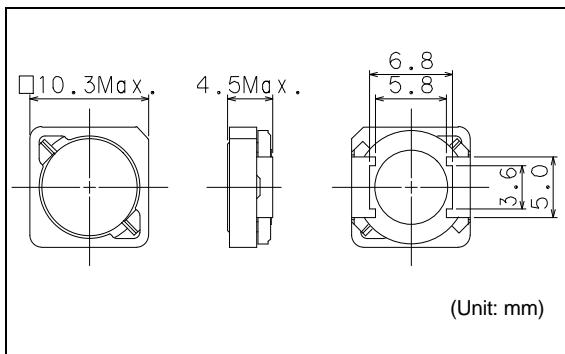
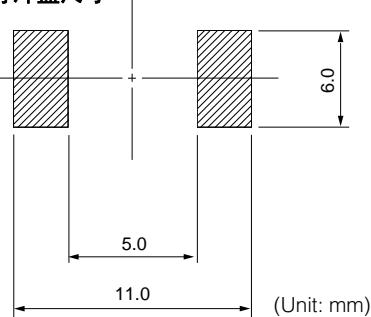


D104C

Inductance Range: 1.0~47μH

Recommended patterns
推荐焊盘尺寸

FEATURES 特点

- 10.3mm Max. square and 4.5mm Max. height.
- Magnetically shielded construction and low DC resistance.
- Suitable for large current.
- Ideal for DC-DC converter inductor applications.
- RoHS compliant.
- 最大10.3毫米的平面，最大高度4.5毫米
- 磁性屏蔽结构和低直流电阻
- 适合大电流
- DC-DC转换器电感器的理想选择
- 符合RoHS指令

TOKO STANDARD PART NUMBERS 东光标准零件号码

TYPE D104C (Quantity/reel; 500 PCS)

| 东光零件号码 | 电感值 ⁽¹⁾ | 公差 | 最大直流电阻 ⁽²⁾ (典型) | 最大电感值减小电流 ⁽³⁾ (典型) | 最大温度上升电流 ⁽³⁾ (典型) |
|------------------|--------------------------------|---------------|---|---|--|
| TOKO Part Number | Inductance ⁽¹⁾ (μH) | Tolerance (%) | DC Resistance ⁽²⁾ (mΩ) Max. (Typ.) | Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 10\%$ | Temperature Rise Current ⁽³⁾ (A) Max. (Typ.) $\Delta T=40^{\circ}\text{C}$ |
| #919AS-1R0N | 1.0 | ± 30 | 5.9 (4.9) | 13.6 (18.1) | 9.7 (11.4) |
| #919AS-1R8N | 1.8 | ± 30 | 7.6 (6.3) | 10.4 (13.9) | 9.5 (10.7) |
| #919AS-2R8M | 2.8 | ± 20 | 10.7 (8.9) | 8.3 (11.1) | 6.1 (7.2) |
| #919AS-3R7M | 3.7 | ± 20 | 14.2 (11.8) | 7.0 (9.3) | 5.3 (6.3) |
| #919AS-4R7M | 4.7 | ± 20 | 16.2 (14.0) | 6.1 (8.2) | 5.2 (6.1) |
| #919AS-6R4M | 6.4 | ± 20 | 22.9 (19.8) | 5.2 (6.9) | 4.8 (5.6) |
| #919AS-100M | 10 | ± 20 | 26.5 (24.3) | 4.3 (5.7) | 4.5 (5.3) |
| #919AS-160M | 16 | ± 20 | 49.2 (42.8) | 3.3 (4.4) | 3.7 (4.4) |
| #919AS-220M | 22 | ± 20 | 77.6 (68.3) | 3.0 (4.0) | 2.5 (2.8) |
| #919AS-270M | 27 | ± 20 | 88.3 (76.8) | 2.7 (3.6) | 2.4 (2.6) |
| #919AS-330M | 33 | ± 20 | 102 (87.8) | 2.4 (3.1) | 2.1 (2.4) |
| #919AS-470M | 47 | ± 20 | 150 (130) | 1.8 (2.5) | 1.8 (2.1) |

(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) LCR仪表4284A (Agilent技术)或者功能相同的仪器在100kHz下测试电感值。

(2) 通过数码万用表34420A (Agilent技术) 或者3541(HIOKI)测试直流电阻。(环境温度为25°C)

(3) 允许最大直流电的范围是以下两者中比较小的一个：引起电感值从最初值降低10%，或者线圈温度升高40°C。
(参考周围环境温度20°C)。