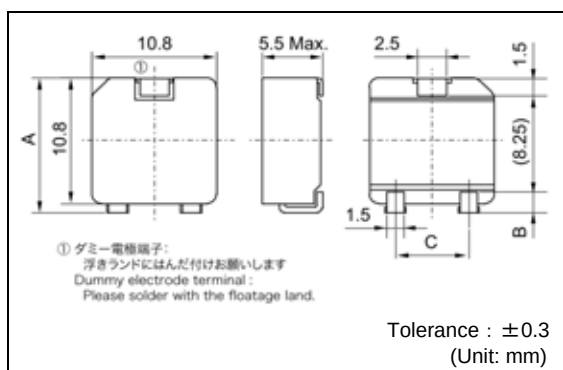
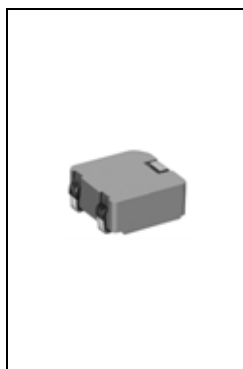
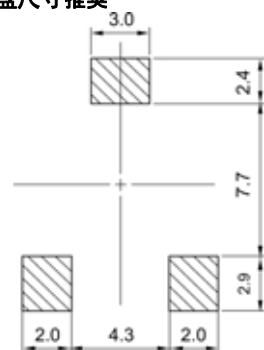


# FDA1055

Inductance Range: 0.56~5.6μH



## Recommended patterns 推荐焊盘尺寸推荐



(Unit: mm)

## FEATURES 特点

- 11.6 × 10.8mm square and 5.5mm Max. height.
- Magnetically shielded construction, low DC resistance.
- The use of magnetic iron powder ensure capability for large current.
- Low audible core noise.
- Ideal for DC-DC converter applications in hand held personal computer and etc.
- RoHS compliant. Halogen Free.
- 最大11.6 × 10.8毫米的平面，最大高度5.5毫米
- 磁性屏蔽结构，低直流电阻
- 使用合金系磁性粉，保证了大电流
- 低芯片噪音
- DC-DC转换器电感器的理想选择
- 符合RoHS指令，无卤素

## TOKO STANDARD PART NUMBERS 东光标准零件号码

### TYPE FDA1055 (Quantity/reel; 500 PCS)

| 东光零件号码           | 电感值 <sup>(1)</sup>             | 公差            | 最大直流电阻 <sup>(2)</sup>                         | 最大电感值减小电流 <sup>(3)</sup>                                                                  | 最大温度上升电流 <sup>(4)</sup>                                         | 尺寸 (mm) |     |     |
|------------------|--------------------------------|---------------|-----------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------|-----|-----|
| TOKO Part Number | Inductance <sup>(1)</sup> (μH) | Tolerance (%) | DC Resistance <sup>(2)</sup> (mΩ) Max. (Typ.) | Inductance Decrease Current <sup>(3)</sup> (A) Max. (Typ.)<br>$\frac{\Delta L}{L} = 20\%$ | Temperature Rise Current <sup>(4)</sup> ΔT=40°C (A) Max. (Typ.) | A       | B   | C   |
| FDA1055-H-R56M   | 0.56                           | ± 20          | 1.8 (1.42)                                    | 27.7 (36.9)                                                                               | 22.7 (28.4)                                                     | 11.6    | 1.9 | 6.5 |
| FDA1055-H-1R2M   | 1.2                            | ± 20          | 2.9 (2.34)                                    | 20.0 (26.6)                                                                               | 17.9 (22.4)                                                     | 11.6    | 1.9 | 6.5 |
| FDA1055-H-1R5M   | 1.5                            | ± 20          | 3.5 (2.80)                                    | 18.0 (24.0)                                                                               | 16.6 (20.8)                                                     | 11.6    | 1.9 | 6.5 |
| FDA1055-H-2R2M   | 2.2                            | ± 20          | 4.8 (3.94)                                    | 15.5 (20.6)                                                                               | 13.6 (17.0)                                                     | 11.4    | 1.7 | 6.4 |
| FDA1055-H-3R3M   | 3.3                            | ± 20          | 7.3 (5.92)                                    | 11.7 (15.6)                                                                               | 11.2 (14.0)                                                     | 11.3    | 1.4 | 6.4 |
| FDA1055-H-4R7M   | 4.7                            | ± 20          | 11.0 (8.93)                                   | 9.9 (13.1)                                                                                | 9.1 (11.4)                                                      | 11.3    | 1.4 | 6.4 |
| FDA1055-H-5R6M   | 5.6                            | ± 20          | 12.0 (9.9)                                    | 8.0 (10.6)                                                                                | 7.5 (9.4)                                                       | 11.3    | 1.4 | 6.4 |

(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) Inductance Decrease Current based upon 20% inductance reduction from the initial value

(4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)

(5) Absolute maximum voltage 30VDC.

NOTICE: Please be sure that you carefully discuss your planned purchase with our sales division if you intend to use the product for business use etc. is severe.

(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) 电感值降低电流是基于电感值从最初的值降低20%计算的。

(4) 温度升高电流是在温度上升40°C的基础上衡量的。

(参考周围环境温度25°C)

(5) 绝对最高电压30伏特。

注意: 如果你准备使用该产品作为商业用途等, 请确认你与我们的销售部仔细讨论了你的购买计划。