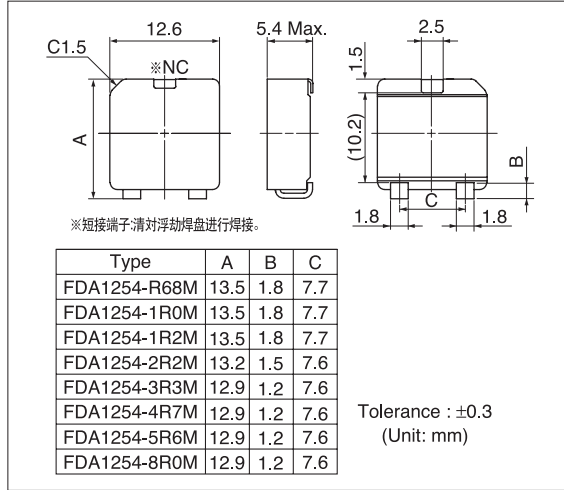
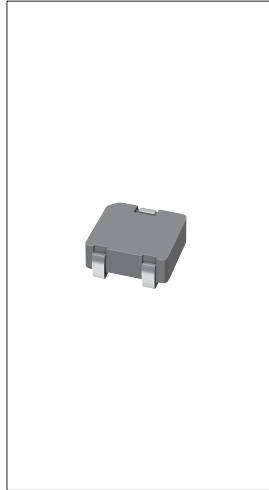
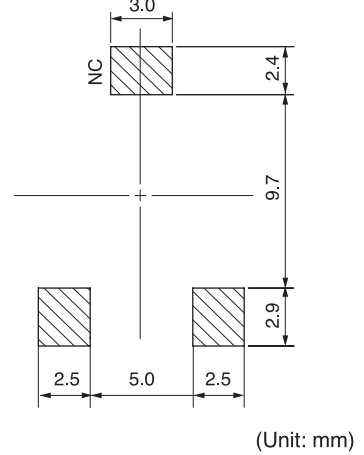


# FDA1254

**Inductance Range:** 0.68~8.0μH

**DIMENSIONS / 外形尺寸图**

**Recommended patterns**  
推荐焊盘图

**FEATURES / 特点**

- 13.5×12.6mm square and 5.4mm Max. height.
- Magnetically shielded construction low DC resistance.
- Suitable for large current.
- The use of magnetic iron powder ensure capability for large current and compact size.
- Low audible core noise.
- Ideal for DC-DC converter applications in hand held personal computer and etc.
- RoHS compliant
- 最大13.5×12.6毫米的平面，最大高度5.4毫米。
- 磁性屏蔽结构，低直流电阻。
- 适合于大电流。
- 使用合金系磁性粉，保证了大电流和小型尺寸。
- 低芯片噪音。
- 是适用于手提电脑以及其它设备的DC-DC转换器电感器的理想选择。
- 符合RoHS指令。

**SELECTION GUIDE FOR STANDARD COILS**
**TYPE FDA1254(Quantity/reel; 500 PCS)**

东光部品编号	电感值 <sup>(1)</sup>	公差	直流电阻 <sup>(2)</sup>	额定直流电流 <sup>(3)</sup>	额定温度上升电流 <sup>(4)</sup>
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.) $\frac{\Delta L}{L}=20\%$	Temperature Rise Current <sup>(4)</sup> ΔT=40°C (A) Max. (Typ.)
FDA1254-R68M	0.68	± 20	1.5 (1.24)	29.1 (38.8)	23.7 (29.7)
FDA1254-1R0M	1.0	± 20	2.0 (1.63)	25.2 (33.7)	20.5 (25.7)
FDA1254-1R2M	1.2	± 20	2.6 (2.05)	20.2 (26.9)	18.4 (23.1)
FDA1254-2R2M	2.2	± 20	4.5 (3.61)	14.7 (19.6)	14.2 (17.8)
FDA1254-3R3M	3.3	± 20	7.0 (5.51)	13.1 (17.5)	11.5 (14.4)
FDA1254-4R7M	4.7	± 20	8.8 (7.12)	11.2 (14.9)	10.2 (12.8)
FDA1254-5R6M	5.6	± 20	9.4 (7.80)	10.8 (14.4)	9.1 (11.4)
FDA1254-8R0M	8.0	± 20	16.0 (12.8)	9.1 (12.3)	7.1 (8.9)

- (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. (Reference ambient temperature 25°C)
- (4) Temperature Rise Current based upon 40°C temperature rise. (Reference ambient temperature 25°C)
- (5) Absolute maximum voltage 30VDC.
- (1) LCR仪表4284A (Agilent技术) 或者功能相同的仪器下测试电感值。
- (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。(环境温度25°C)
- (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。

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.

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。