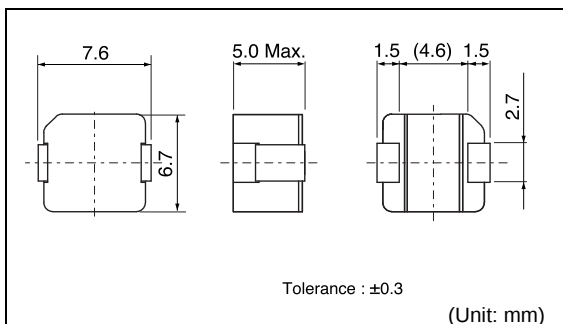
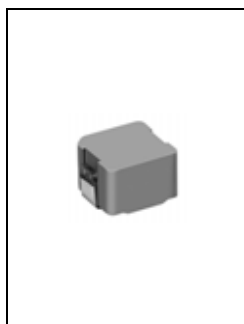
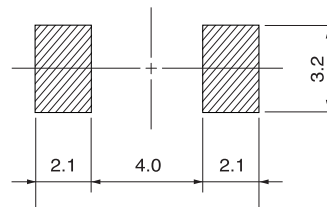


FDU0650

Inductance Range: 0.13~0.82μH



Recommended patterns 推荐焊盘尺寸推奨



(Unit: mm)

FEATURES 特点

- 7.6 × 6.7mm square and 5.0mm 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7.6 × 6.76毫米的平面，最大高度5.0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 FDU0650 (Quantity/reel; 1,000 PCS)

东光零件号码	电感值 ⁽¹⁾	公差	最大直流电阻 ⁽²⁾	最大电感值减小电流 ⁽³⁾	最大温度上升电流 ⁽⁴⁾
TOKO Part Number	Inductance ⁽¹⁾ (μH)	Tolerance (%)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) $\frac{\Delta L}{L} = 20\%$	Temperature Rise Current ⁽⁴⁾ (A) Max. (Typ.) $\Delta T = 40^\circ\text{C}$
FDU0650-H-R13M	0.13	± 20	1.3 (1.13)	27.6 (41.4)	23.0 (27.2)
FDU0650-H-R24M	0.24	± 20	2.0 (1.59)	20.0 (27.4)	19.6 (22.6)
FDU0650-H-R39M	0.39	± 20	2.6 (1.99)	16.3 (21.1)	17.5 (20.7)
FDU0650-H-R56M	0.56	± 20	3.2 (2.45)	14.2 (19.3)	15.6 (18.0)
FDU0650-H-R82M	0.82	± 20	4.2 (3.47)	11.5 (15.1)	12.3 (15.4)

(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.

(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。

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.