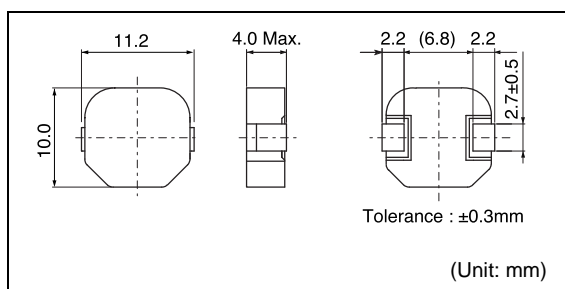
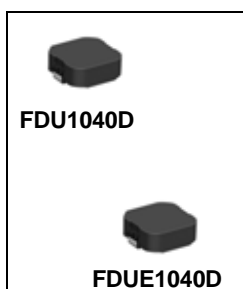
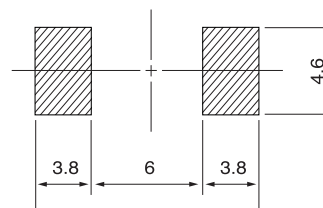


# FDU1040D/FDUE1040D

**Inductance Range:** 0.36~0.88μH (FDU1040D), 0.22~1.0μH (FDUE1040D)

**Recommended patterns**  
 推荐焊盘尺寸推荐


(Unit: mm)

## FEATURES 特点

- 11.2 × 10.0mm square and 4.0mm 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11.2 × 10.0毫米的平面，最大高度4.0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 FDU1040D (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>
TOKO Part Number	Inductance <sup>(1)</sup> (μH)	Tolerance (%)	DCR Resistance <sup>(2)</sup> (mΩ) Tolerance ±7%	Inductance Decrease Current <sup>(3)</sup> (A) Max. (Typ.) $\frac{\Delta L}{L} = 20\%$	Temperature Rise Current <sup>(3)</sup> (A) Max. (Typ.) $\Delta T = 40^\circ C$
FDU1040D-H-R36M	0.36	± 20	1.02	29 (39)	26 (33)
FDU1040D-H-R56M	0.56	± 20	1.40	23 (31)	24 (30)
FDU1040D-H-R68M	0.68	± 20	1.70	20 (27)	21 (27)
FDU1040D-H-R88M	0.88	± 20	2.30	17 (23)	18 (22)

### TYPE FDUE1040D (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>
TOKO Part Number	Inductance <sup>(1)</sup> (μH)	Tolerance (%)	DCR Resistance <sup>(2)</sup> (mΩ) Tolerance ±7%	Inductance Decrease Current <sup>(3)</sup> (A) Max. (Typ.) $\frac{\Delta L}{L} = 20\%$	Temperature Rise Current <sup>(3)</sup> (A) Max. (Typ.) $\Delta T = 40^\circ C$
FDUE1040D-H-R22M	0.22	± 20	0.64	32 (43)	32 (40)
FDUE1040D-H-R36M	0.36	± 20	0.79	25 (33)	30 (37)
FDUE1040D-H-R45M	0.45	± 20	1.02	24 (31)	27 (33)
FDUE1040D-H-1R0M	1.0	± 20	2.35	16 (21)	18 (22)

- (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。

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。