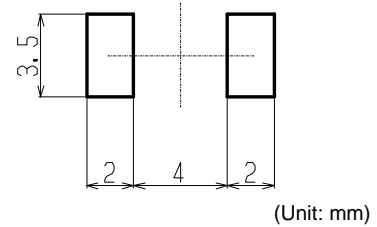
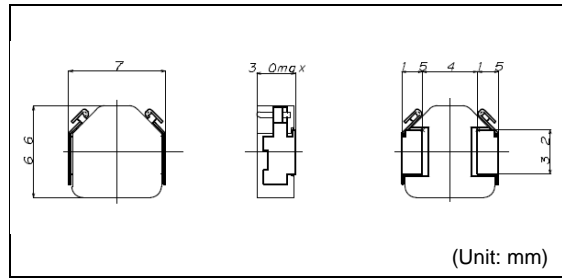


FDSD0630

Inductance Range: 0.68~10μH

Recommended patterns
 推荐焊盘尺寸

FEATURES 特点

- 7.0 × 6.6mm square and 3.0mm 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
- RoHS compliant. Halogen Free.
- 最大7.0 × 6.6毫米的平面，最大高度3.0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 FDSD0630 (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.) $\frac{\Delta L}{L} = 30\%$	Temperature Rise Current ⁽⁴⁾ (A) Max. (Typ.) $\Delta T = 40^\circ C$
FDSD0630-H-R68M	0.68	± 20	8.6 (7.1)	17 (21)	10.5 (12.5)
FDSD0630-H-1R0M	1.0	± 20	11 (9)	15 (19)	9.4 (11.0)
FDSD0630-H-1R5N	1.5	± 30	13 (11)	13 (16)	8.5 (10.0)
FDSD0630-H-2R2M	2.2	± 20	17 (14)	12 (15)	7.1 (8.3)
FDSD0630-H-3R3M	3.3	± 20	28 (23)	8.0 (10)	5.6 (6.6)
FDSD0630-H-4R7M	4.7	± 20	40 (33)	7.6 (9.5)	4.7 (5.5)
FDSD0630-H-5R6M	5.6	± 20	46 (38)	7.0 (8.8)	4.2(4.9)
FDSD0630-H-6R8M	6.8	± 20	61 (51)	5.9 (7.4)	3.7 (4.3)
FDSD0630-H-8R2M	8.2	± 20	70 (58)	5.5 (6.9)	3.4 (4.0)
FDSD0630-H-100M	10	± 20	74 (62)	5.4 (6.8)	3.2 (3.8)

(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 30% 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30%计算的。

(4) 温度升高电流是基于温度上升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.