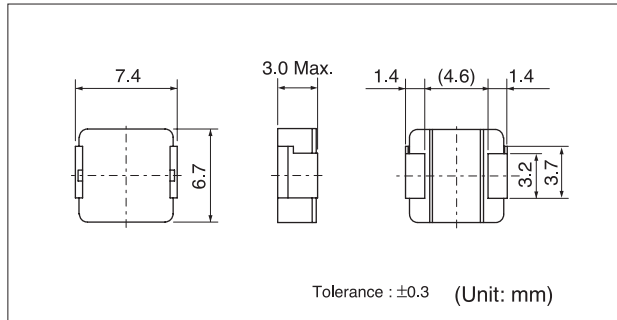
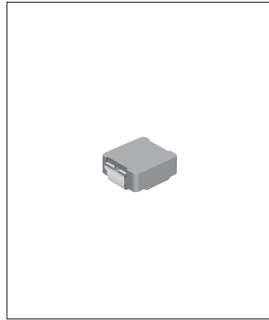


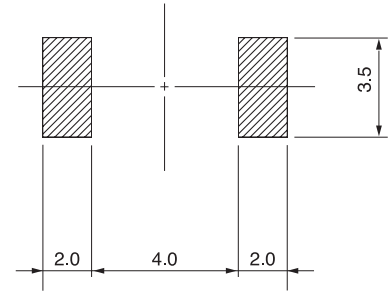
FDV0630

Inductance Range: 0.2~4.7μH

DIMENSIONS / 尺寸



Recommended patterns 推荐焊盘尺寸



(Unit: mm)

FEATURES / 特点

- 7.4×6.7mm square and 3.0mm 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7.4×6.7毫米的平面，最大高度3.0毫米。
- 磁性屏蔽结构和低直流电阻。
- 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 FDV0630 (Quantity/reel; 1,000 PCS)

东光部品编号	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.) $\Delta T=40^{\circ}\text{C}$
FDV0630-R20M	0.20	±20	2.4 (1.8)	19.0 (25.7)	16.3 (21.8)
FDV0630-R47M	0.47	±20	4.6 (3.5)	16.0 (18.0)	11.5 (16.6)
FDV0630-R60M	0.60	±20	6.5 (5.1)	13.5 (17.0)	10.0 (13.3)
FDV0630-R75M	0.75	±20	7.5 (5.9)	10.0 (13.9)	8.9 (11.8)
FDV0630-1R0M	1.0	±20	10.0 (7.9)	9.1 (11.9)	7.7 (10.3)
FDV0630-1R8M	1.8	±20	18.0 (14.3)	6.6 (9.0)	5.7 (7.5)
FDV0630-2R2M	2.2	±20	21.0 (16.1)	6.4 (8.7)	5.3 (7.2)
FDV0630-2R7M	2.7	±20	27.0 (21.7)	5.4 (7.3)	4.4 (5.9)
FDV0630-3R3M	3.3	±20	31.0 (24.5)	5.2 (6.9)	4.3 (5.7)
FDV0630-4R3M	4.3	±20	45.0 (35.6)	4.5 (5.8)	3.4 (4.6)
FDV0630-4R7M	4.7	±20	49.0 (39.0)	4.2 (5.5)	3.3 (4.4)

- (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 (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。

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。