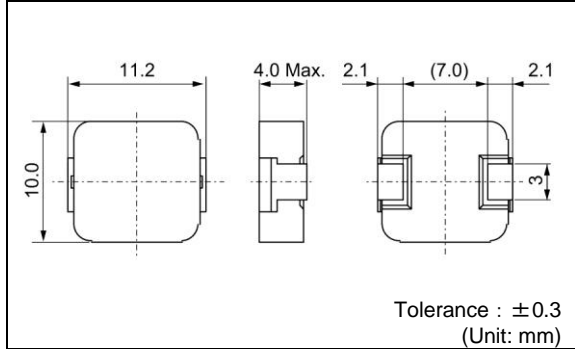
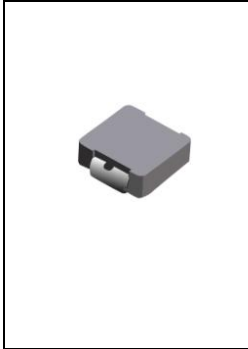


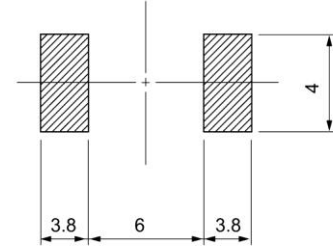
FDVE1040

RoHS REACH

Inductance Range: 1.5~10μH



Recommended patterns
推荐焊盘尺寸推奨



(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.
- Operating temperature (-20~+100°C)
- 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
- 使用温度范围：-20 ~ +100°C

STANDARD PART NUMBERS 标准零件号码

TYPE FDVE1040 (Quantity/reel; 500 PCS)

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⁾
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⁾ $\Delta T = 40^\circ\text{C}$ (A) Max. (Typ.)
FDVE1040-H-1R5M=P3	1.5	±20	4.6 (4.1)	13.7 (17.1)	14.6 (18.2)
FDVE1040-H-2R2M=P3	2.2	±20	6.8 (6.1)	11.4 (14.2)	11.6 (14.5)
FDVE1040-H-2R7M=P3	2.7	±20	8.8 (8.0)	10.9 (13.6)	10.5 (13.1)
FDVE1040-H-3R3M=P3	3.3	±20	10.1 (9.2)	9.8 (12.3)	9.0 (11.3)
FDVE1040-H-4R7M=P3	4.7	±20	13.8 (12.5)	8.2 (10.2)	8.0 (10.0)
FDVE1040-H-5R6M=P3	5.6	±20	18.0 (16.3)	7.9 (9.9)	7.3 (9.2)
FDVE1040-H-6R8M=P3	6.8	±20	20.2 (18.4)	7.1 (8.9)	7.1 (8.8)
FDVE1040-H-100M=P3	10	±20	34.1 (31.0)	6.1 (7.7)	5.2 (6.5)

(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.

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