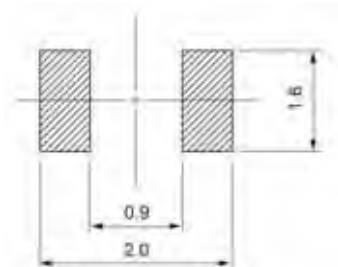
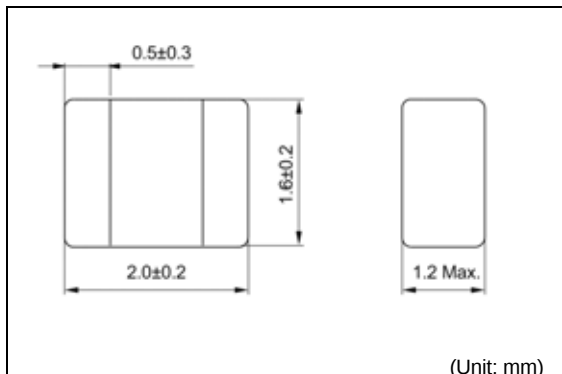
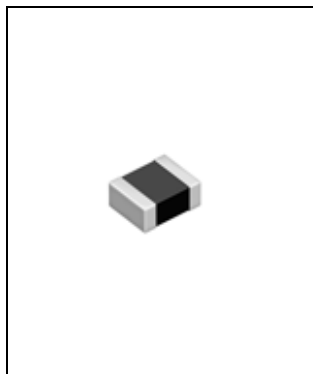


# DFE201612C

Inductance Range: 0.47~2.2μH

Recommended patterns  
推荐焊盘尺寸



(Unit: mm)

## FEATURES 特点

- Miniature size: 2016 footprint (2.0mm×1.6mm) and low profile(1.2mm Max. height)
- The use of magnetic iron powder ensure capability for large current.
- The use of Flat wire for Low DC resistance.
- Magnetically shielded, low audible core noise.
- Reflow solderable.
- Operating temperature : -40~+85°C
- Halogen Free, RoHS compliant.
- 小型薄型构造(2.0 × 1.6mm、高度1.2mm Max.)
- 使用合金系磁性粉，保证了大电流
- 采用平角线、低直流电阻
- 闭磁路构造、低芯片噪音
- 适合回流焊接
- 工作温度范围：-40~+85°C
- 符合RoHS指令、无卤素

## TOKO STANDARD PART NUMBERS 东光标准零件号码

### TYPE DFE201612C (Quantity/reel; 3,000 PCS)

| 东光零件号码           | 电感值              | 公差            | 测试频率                 | 最大直流电阻                         | 最大允许直流电流                         |           |
|------------------|------------------|---------------|----------------------|--------------------------------|----------------------------------|-----------|
| TOKO Part Number | Inductance L(μH) | Tolerance (%) | Test Frequency (MHz) | DC Resistance (mΩ) Max. (Typ.) | Rated DC Current (A) Max. (Typ.) |           |
|                  |                  |               |                      |                                | ΔL/L=30%                         | ΔT=40°C   |
| 1286AS-H-R47M    | 0.47             | ±20           | 1                    | 52 (40)                        | 3.4 (4.2)                        | 3.2 (3.8) |
| 1286AS-H-1R0M    | 1.0              | ±20           | 1                    | 82 (68)                        | 2.5 (3.1)                        | 2.3 (2.7) |
| 1286AS-H-1R5M    | 1.5              | ±20           | 1                    | 114 (95)                       | 2.0 (2.5)                        | 1.8 (2.1) |
| 1286AS-H-2R2M    | 2.2              | ±20           | 1                    | 192 (160)                      | 1.6 (2.0)                        | 1.3 (1.5) |

- (1) Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz
- (2) DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)
- (3) Maximum allowable DC current is that which causes a 30% inductance reduction from the initial value, coil temperature to rise by 40°C whichever is smaller. (Reference ambient temperature 20°C)

- (1)LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。
- (2)通过数码万用表34420A (Agilent Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度为20°C)
- (3)允许最大直流电的范围是以下两者中比较小的一个：从开始值降低30%的电感值，或者线圈温度升高40°C。(参考周围环境温度20°C)。