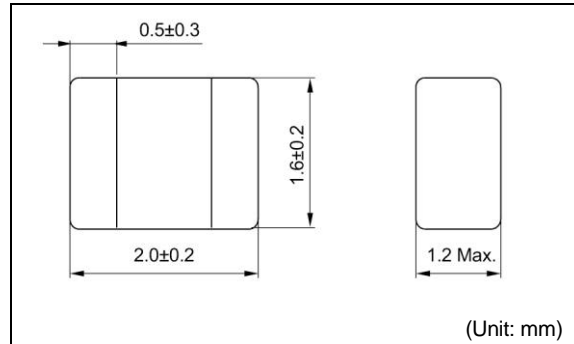
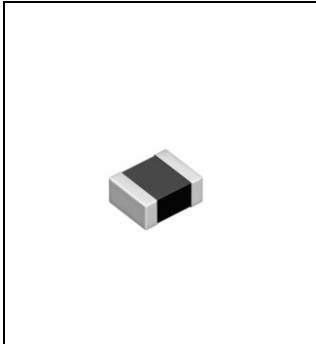


DFE201612P

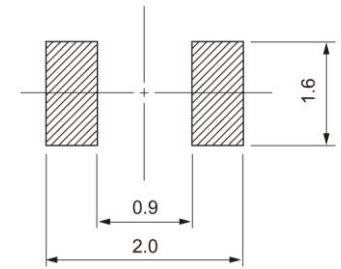
RoHS

REACH

Inductance Range: 0.24~2.2μH



Recommended patterns
推荐焊盘尺寸



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~+125°C
- 小型薄型构造(2.0 x 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
- 使用温度范围：-40~+125°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE201612P (Quantity/reel; 3,000 PCS)

| 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 | |
|--------------------|------------------|---------------|----------------------|--------------------------------|----------------------------------|-----------|
| 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 |
| DFE201612P-R24M=P2 | 0.24 | ±20 | 1 | 23 (15) | 6.5 (7.2) | 4.4 (5.2) |
| DFE201612P-R33M=P2 | 0.33 | ±20 | 1 | 28 (21) | 5.6 (6.2) | 3.9 (4.6) |
| DFE201612P-R47M=P2 | 0.47 | ±20 | 1 | 33 (25) | 4.8 (5.4) | 3.7 (4.3) |
| DFE201612P-1R0M=P2 | 1.0 | ±20 | 1 | 54 (45) | 3.3 (3.7) | 2.7 (3.1) |
| DFE201612P-1R5M=P2 | 1.5 | ±20 | 1 | 95 (78) | 2.7 (3.0) | 2.0 (2.3) |
| DFE201612P-2R2M=P2 | 2.2 | ±20 | 1 | 144 (120) | 2.1 (2.3) | 1.5 (1.8) |

- (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)。