

DFEG7030D

AEC-Q200

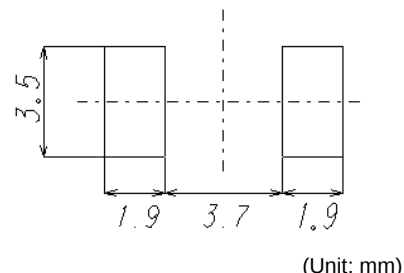
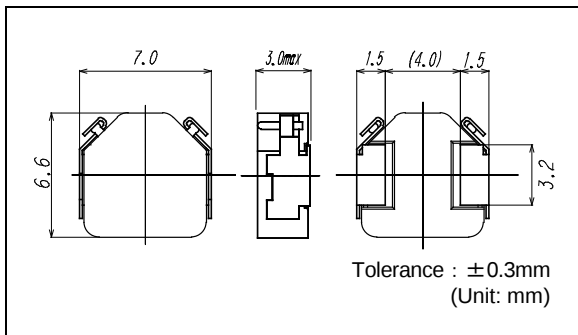
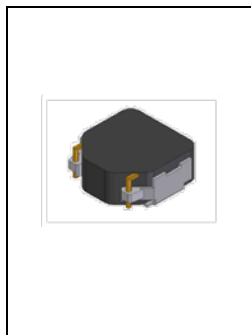
125
°C

RoHS

REACH

Inductance Range: 1.0~22μH

Recommended patterns
推荐焊盘尺寸推奖



FEATURES 特点

- 7.3 × 6.9mm square and 3.0mm Max. height.
- Magnetically shielded construction, low DC resistance.
- Suitable for large current
- The use of low loss iron powder ensure capability for high efficiency.
- Low audible core noise.
- Operating temperature : -40~+125°C
- AEC-Q200 compliant.
- 最大7.3 × 6.9毫米的平面，最大高度3.0毫米
- 磁性屏蔽结构，低直流电阻
- 适合于大电流
- 使用低损失铁系磁性粉保证高效率
- 低芯片噪音
- 使用温度范围: -40~+125°C
- 符合AEC-Q200

STANDARD PART NUMBERS 标准零件号码

TYPE DFEG7030D(Quantity/reel; 1,000 PCS)

零件号码	电感值 ⁽¹⁾	公差	测试频率	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 ⁽³⁾
Part Number	Inductance ⁽¹⁾ L(μH)	Tolerance (%)	Test Frequency (MHz)	DC Resistance ⁽²⁾ (mΩ) Max. (Typ.)	Inductance Decrease Current ⁽³⁾ (A) Max. (Typ.) ΔL/L=20%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
DFEG7030D-1R0M=P3	1.0	±20	100	9.9 (8.2)	9.0 (12)	9.1 (11)
DFEG7030D-1R5M=P3	1.5	±20	100	15 (12)	7.3 (9.7)	7.6 (9.5)
DFEG7030D-2R2M=P3	2.2	±20	100	18 (15)	6.9 (9.2)	7.1 (8.9)
DFEG7030D-3R3M=P3	3.3	±20	100	29 (24)	5.3 (7.1)	5.4 (6.7)
DFEG7030D-4R7M=P3	4.7	±20	100	41 (34)	4.2 (5.6)	4.2 (5.3)
DFEG7030D-5R6M=P3	5.6	±20	100	54 (45)	4.1 (5.4)	3.8 (4.7)
DFEG7030D-6R8M=P3	6.8	±20	100	59 (49)	3.9 (5.2)	3.5 (4.4)
DFEG7030D-8R2M=P3	8.2	±20	100	78 (65)	3.2 (4.2)	3.1 (3.9)
DFEG7030D-100M=P3	10	±20	100	82 (68)	3.2 (4.2)	3.0 (3.7)
DFEG7030D-150M=P3	15	±20	100	147 (122)	2.4 (3.2)	2.2 (2.7)
DFEG7030D-220M=P3	22	±20	100	198 (170)	2.0 (2.7)	1.9 (2.4)

- (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) Maximum allowable DC current is that which causes a 20% inductance reduction from the initial value, coil temperature to rise by 40°C, whichever is smaller.
(Reference ambient temperature 25°C)
- (4) Absolute maximum voltage : 50VDC

- (1) LCR仪表4284A (Agilent Technologies)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 Technologies)/ 3541(HIOKI)或者相类似的工具测试直流电阻。(环境温度为25°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20%的电感值, 或者线圈温度升高40°C。
(参考周围环境温度25°C)。
- (4) 绝对最高电压50伏特。