

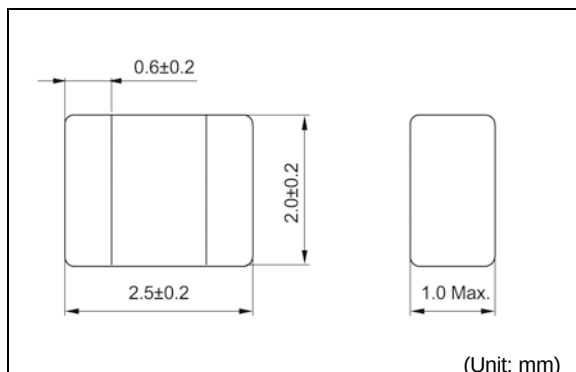
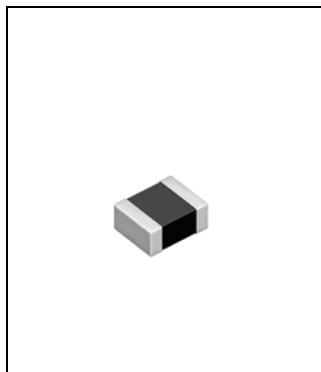
DFE252010R

85
°C

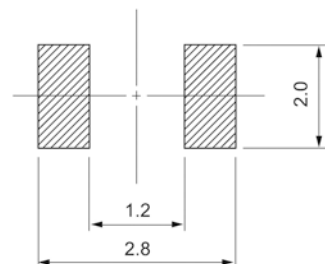
RoHS

REACH

Inductance Range: 1.0~4.7μH



Recommended patterns
推荐焊盘尺寸



(Unit: mm)

FEATURES 特点

- Miniature size: 2520 footprint (2.5mm×2.0mm) and low profile(1.0mm 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
- 小型薄型构造(2.5 x 2.0 mm、高度1.0mm 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~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE252010R (Quantity/reel; 3,000 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=30%	Temperature Rise Current ⁽³⁾ ΔT=40°C (A) Max. (Typ.)
DFE252010R-H-1R0M=P2	1.0	±20	1	68 (52)	3.0 (3.7)	2.7 (3.1)
DFE252010R-H-1R5M=P2	1.5	±20	1	90 (75)	2.3 (2.9)	2.1 (2.5)
DFE252010R-H-2R2M=P2	2.2	±20	1	126 (105)	2.1 (2.6)	1.7 (2.0)
DFE252010R-H-4R7M=P2	4.7	±20	1	276 (230)	1.4 (1.7)	1.1 (1.3)

(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)。