

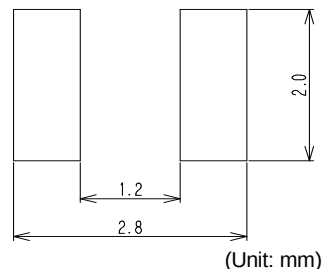
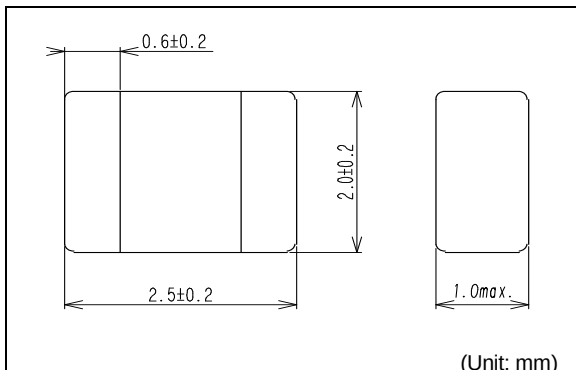
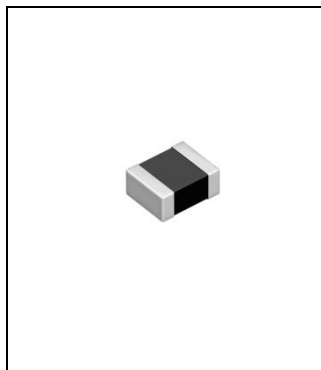
DFE252010F

RoHS

REACH

Inductance Range: 0.33~10μH

Recommended patterns
推荐焊盘尺寸



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~+125°C
- 小型薄型构造(2.5 × 2.0mm、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~+125°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE252010F(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
DFE252010F-R33M=P2	0.33	±20	1	21(16)	6.8(7.6)	4.8(5.6)
DFE252010F-R47M=P2	0.47	±20	1	27(20)	6.0(6.6)	4.4(5.2)
DFE252010F-R68M=P2	0.68	±20	1	37(31)	5.0(5.5)	3.5(4.1)
DFE252010F-R82M=P2	0.82	±20	1	40(33)	4.5(5.0)	3.3(3.9)
DFE252010F-1R0M=P2	1.0	±20	1	48(40)	4.1(4.6)	3.1(3.6)
DFE252010F-1R5M=P2	1.5	±20	1	72(60)	3.4(3.8)	2.5(2.9)
DFE252010F-2R2M=P2	2.2	±20	1	97(85)	3.1(3.5)	2.3(2.5)
DFE252010F-3R3M=P2	3.3	±20	1	170(140)	2.2(2.5)	1.6(1.9)
DFE252010F-4R7M=P2	4.7	±20	1	240(200)	1.9(2.2)	1.4(1.6)
DFE252010F-6R8M=P2	6.8	±20	1	420(350)	1.4(1.6)	1.1(1.3)
DFE252010F-8R2M=P2	8.2	±20	1	520(430)	1.35(1.55)	1.0(1.2)
DFE252010F-100M=P2	10	±20	1	600(500)	1.3(1.5)	0.9(1.0)

- Inductance is measured with a LCR meter 4284A (Agilent Technologies) or equivalent. Test frequency at 1MHz
- DC resistance is measured with 34420A (Agilent Technologies) or 3541(HIOKI). (Reference ambient temperature 20°C)
- 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)

- LCR仪表4284A (Agilent Technologies)或者功能相同的仪器在1MHz下测试电感值。
- 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)
- 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)。

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Murata:](#)

[DFE252010F-100M=P2](#) [DFE252010F-1R0M=P2](#) [DFE252010F-1R5M=P2](#) [DFE252010F-2R2M=P2](#) [DFE252010F-3R3M=P2](#) [DFE252010F-4R7M=P2](#) [DFE252010F-6R8M=P2](#) [DFE252010F-8R2M=P2](#) [DFE252010F-R33M=P2](#) [DFE252010F-R47M=P2](#) [DFE252010F-R68M=P2](#) [DFE252010F-R82M=P2](#)