Excellent Integrated System Limited

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Murata Electronics North America
DFE201612P-1R0M=P2

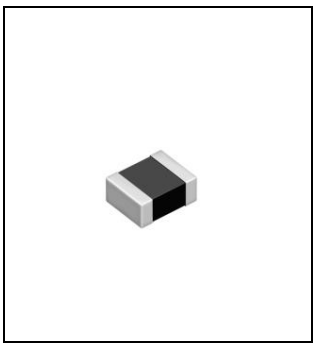
For any questions, you can email us directly:
sales@integrated-circuit.com

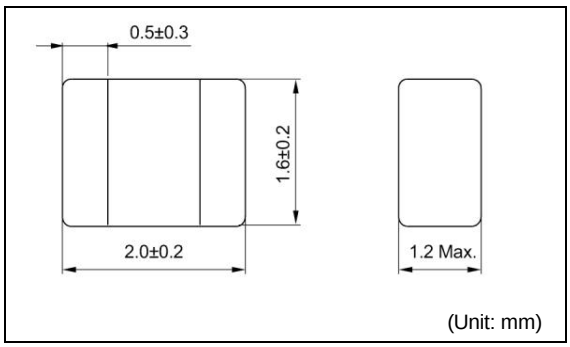
Metal Alloy Inductors
金属合金功率电感器

DFE201612P

RoHS REACH

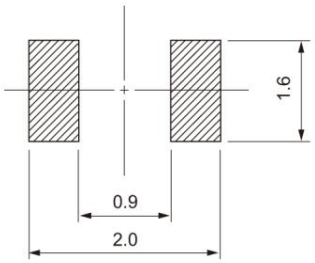
Inductance Range: 0.24~2.2μH





(Unit: mm)

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～+125°C

- 小型薄型构造(2.0ｘ1.6ｍｍ、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）。