

Excellent Integrated System Limited

Stocking Distributor

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[Murata Electronics North America](#)
[1286AS-H-1R0M=P2](#)

For any questions, you can email us directly:

sales@integrated-circuit.com



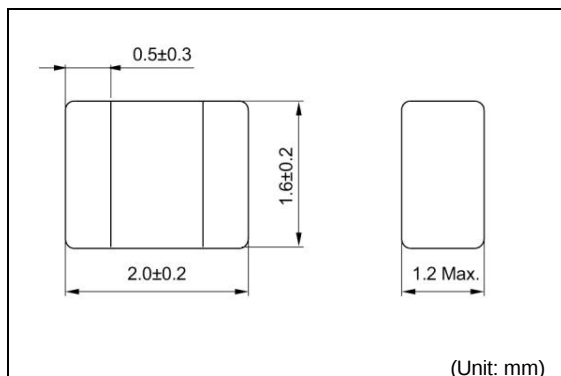
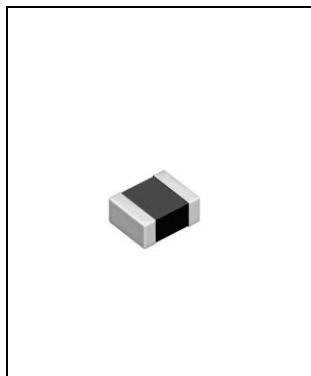
Metal Alloy Inductors 金属合金功率电感器

DFE201612C

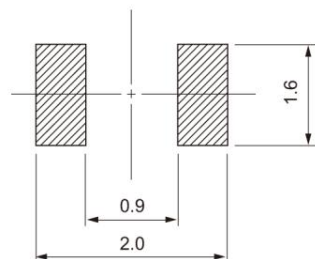
RoHS

REACH

Inductance Range: 0.47~2.2μH



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~+85°C
- 小型薄型构造(2.0 × 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~+85°C

STANDARD PART NUMBERS 标准零件号码

TYPE DFE201612C (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
1286AS-H-R47M=P2	0.47	±20	1	52 (40)	3.4 (4.2)	3.2 (3.8)
1286AS-H-1R0M=P2	1.0	±20	1	82 (68)	2.5 (3.1)	2.3 (2.7)
1286AS-H-1R5M=P2	1.5	±20	1	114 (95)	2.0 (2.5)	1.8 (2.1)
1286AS-H-2R2M=P2	2.2	±20	1	192 (160)	1.6 (2.0)	1.3 (1.5)

- 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)。