



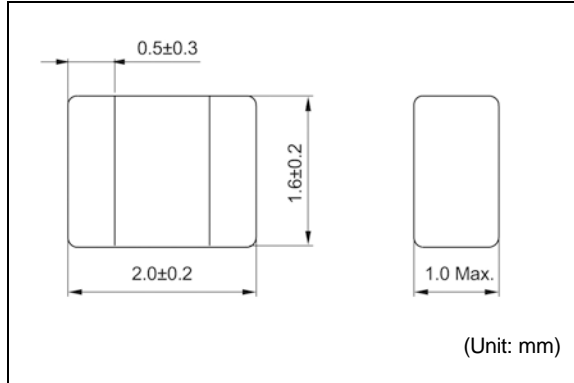
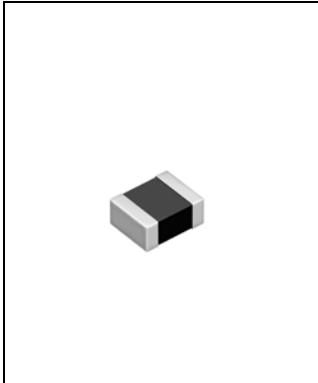
**THE DATASHEET OF  
1285AS-H-R68M=P2**



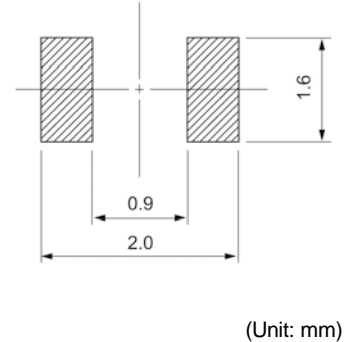
**DFE201610C**



Inductance Range: 0.56~2.2μH



**Recommended patterns**  
推荐焊盘尺寸



**FEATURES 特点**

- Miniature size: 2016 footprint (2.0mm×1.6mm) 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(2.0 × 1.6mm、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 DFE201610C (Quantity/reel; 3,000 PCS)**

| 零件号码             | 电感值 <sup>(1)</sup>                 | 公差            | 测试频率                 | 最大直流电阻 <sup>(2)</sup>                               | 最大电感值减小电流 <sup>(3)</sup>  | 最大温度上升电流 <sup>(3)</sup>   |
|------------------|------------------------------------|---------------|----------------------|---|---|---|
| Part Number      | Inductance <sup>(1)</sup><br>L(μH) | Tolerance (%) | Test Frequency (MHz) | DC Resistance <sup>(2)</sup><br>(mΩ)<br>Max. (Typ.) | Inductance Decrease Current <sup>(3)</sup><br>(A) Max. (Typ.)<br>ΔL/L=30% | Temperature Rise Current <sup>(3)</sup><br>ΔT=40°C<br>(A) Max. (Typ.) |
| 1285AS-H-R56M=P2 | 0.56                               | ±20           | 1                    | 59 (44)   | 2.8 (3.5)   | 2.8 (3.3)   |
| 1285AS-H-R68M=P2 | 0.68                               | ±20           | 1                    | 72 (55)   | 2.6 (3.2)   | 2.5 (2.9)   |
| 1285AS-H-1R0M=P2 | 1.0                                | ±20           | 1                    | 96 (80)   | 2.2 (2.7)   | 2.0 (2.3)   |
| 1285AS-H-1R5M=P2 | 1.5                                | ±20           | 1                    | 144 (120)   | 1.8 (2.2)   | 1.6 (1.9)   |
| 1285AS-H-2R2M=P2 | 2.2                                | ±20           | 1                    | 204 (170)   | 1.5 (1.9)   | 1.2 (1.4)   |

(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)。

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

- [View 1285AS-H-R68M=P2 on WIN SOURCE](#)
- [Murata Electronics North America Information](#)

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