**FEATURES**

- Miniature size: 2012 footprint (2.0mm x 1.2mm) 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(2.0 x 1.2 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～+125°C

**STANDARD PART NUMBERS**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inductance (µH)</th>
<th>Tolerance (%)</th>
<th>Test Frequency (MHz)</th>
<th>DC Resistance (mΩ) Max. (Typ.)</th>
<th>Inductance Decrease Current (A) Max. (Typ.) ΔL/L=30%</th>
<th>Temperature Rise Current (A) Max. (Typ.) ΔT=40°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFE201210U-R24M-P2</td>
<td>0.24 ±20</td>
<td>1</td>
<td>25 (20)</td>
<td>6.5 (7.2)</td>
<td>3.8 (4.5)</td>
<td></td>
</tr>
<tr>
<td>DFE201210U-R33M-P2</td>
<td>0.33 ±20</td>
<td>1</td>
<td>31 (25)</td>
<td>6.2 (5.8)</td>
<td>3.4 (4.0)</td>
<td></td>
</tr>
<tr>
<td>DFE201210U-R47M-P2</td>
<td>0.47 ±20</td>
<td>1</td>
<td>42 (34)</td>
<td>4.4 (4.8)</td>
<td>3.0 (3.5)</td>
<td></td>
</tr>
<tr>
<td>DFE201210U-R68M-P2</td>
<td>0.68 ±20</td>
<td>1</td>
<td>60 (50)</td>
<td>3.6 (4.0)</td>
<td>2.4 (2.8)</td>
<td></td>
</tr>
<tr>
<td>DFE201210U-R95M-P2</td>
<td>1.0 ±20</td>
<td>1</td>
<td>95 (79)</td>
<td>3.1 (3.4)</td>
<td>2.0 (2.4)</td>
<td></td>
</tr>
<tr>
<td>DFE201210U-1R5M-P2</td>
<td>1.5 ±20</td>
<td>1</td>
<td>138 (115)</td>
<td>2.5 (2.8)</td>
<td>1.6 (1.9)</td>
<td></td>
</tr>
<tr>
<td>DFE201210U-2R2M-P2</td>
<td>2.2 ±20</td>
<td>1</td>
<td>226 (196)</td>
<td>2.0 (2.2)</td>
<td>1.2 (1.4)</td>
<td></td>
</tr>
</tbody>
</table>

(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)

**DFE201210U**

**Inductance Range:** 0.24~2.2 µH

**Recommended patterns**

推荐焊盘尺寸

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**Metal Alloy Inductors**

**Metal Alloy Inductors**

**Type:** DFE201210U (Quantity/reel; 3,000 PCS)

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**Recommended patterns**

推荐焊盘尺寸

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**DFE201210U**

**Inductance Range:** 0.24~2.2 µH

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**Recommended patterns**

推荐焊盘尺寸

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**DFE201210U**

**Inductance Range:** 0.24~2.2 µH

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**Recommended patterns**

推荐焊盘尺寸

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**DFE201210U**

**Inductance Range:** 0.24~2.2 µH

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**Recommended patterns**

推荐焊盘尺寸

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**DFE201210U**

**Inductance Range:** 0.24~2.2 µH

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**Recommended patterns**

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