**FEATURES**

- Small size fixed inductor of the surface mounted type with a wire-wound structure characterized by a low DC resistance.
- It is the most suitable for the decoupling inductor for a small current.
- Low profile 1.7mm Max height. (1.6mm Typ.)
- Wide inductance range from 1 to 47µH.
- Low DC resistance, about half of LLM2520 type with same package size.
- Superior solderability and high heat-resistance for reflow soldering.
- Excellent environmental and mechanical stability.

**ELECTRICAL CHARACTERISTICS**

- Inductance Range 1~47µH (E-6 Series)
- Inductance Tolerance M : ±20% (1.0~6.8 µH)  
  K : ±10% (10~47 µH)
- Inductance Temperature Coefficient 750ppm/°C Max.
- Operating Temperature -40°C~+85°C
- Storage Temperature (-40°C~+60°C)
- Electrolyte 1~47µH (E-6 Series)
- Electrolyte Tolerance M : ±20% (1.0~6.8 µH)  
  K : ±10% (10~47 µH)
- Electrolyte Temperature Coefficient 750ppm/°C Max.
- Use Temperature Range -40°C~+85°C
- Storage Temperature Range (-40°C~+60°C)
### Wire Wound Chip Inductors

**F vs. IMPEDANCE CHARACTERISTICS**  
**F vs. 阻抗特性**

Notes: R:Resistance (电阻)  X:Reactance (电抗)  Z:Impedance (阻抗)

#### STANDARD PART NUMBERS  标准零件号码

**TYPE LLB2520** *(Previous name FSLB2520, Quantity/reel: 2,000 PCS)/ **LLB2520** *(原名 FSLB2520，每卷数量: 2,000 PCS)*

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inductance (µH)</th>
<th>DC Resistance (Ω) Max.</th>
<th>Rated DC Current (mA) Max.</th>
<th>Self-resonant Frequency (MHz) Min.</th>
</tr>
</thead>
<tbody>
<tr>
<td>#FSLB2520-1R0M=P2</td>
<td>1.0 ±20%</td>
<td>0.30</td>
<td>480</td>
<td>130</td>
</tr>
<tr>
<td>#FSLB2520-1R5M=P2</td>
<td>1.5 ±20%</td>
<td>0.38</td>
<td>435</td>
<td>95</td>
</tr>
<tr>
<td>#FSLB2520-2R2M=P2</td>
<td>2.2 ±20%</td>
<td>0.44</td>
<td>390</td>
<td>75</td>
</tr>
<tr>
<td>#FSLB2520-3R3M=P2</td>
<td>3.3 ±20%</td>
<td>0.57</td>
<td>340</td>
<td>60</td>
</tr>
<tr>
<td>#FSLB2520-4R7M=P2</td>
<td>4.7 ±20%</td>
<td>0.68</td>
<td>310</td>
<td>50</td>
</tr>
<tr>
<td>#FSLB2520-6R8M=P2</td>
<td>6.8 ±20%</td>
<td>0.89</td>
<td>295</td>
<td>40</td>
</tr>
<tr>
<td>#FSLB2520-100K=P2</td>
<td>10.0 ±10%</td>
<td>1.10</td>
<td>220</td>
<td>33</td>
</tr>
<tr>
<td>#FSLB2520-150K=P2</td>
<td>15.0 ±10%</td>
<td>1.70</td>
<td>180</td>
<td>28</td>
</tr>
<tr>
<td>#FSLB2520-220K=P2</td>
<td>22.0 ±10%</td>
<td>2.50</td>
<td>160</td>
<td>23</td>
</tr>
<tr>
<td>#FSLB2520-330K=P2</td>
<td>33.0 ±10%</td>
<td>3.80</td>
<td>130</td>
<td>18</td>
</tr>
<tr>
<td>#FSLB2520-470K=P2</td>
<td>47.0 ±10%</td>
<td>5.40</td>
<td>100</td>
<td>15</td>
</tr>
</tbody>
</table>

※Note  注意事项

Operating frequency bands on a set of each article number is equal to or less than measurement frequency.

(1) Inductance is measured with a LCR meter 4291A(*)
(2) DC resistance is measured with a Digital Multimeter TR6871 (Advantest) or equivalent.
(3) Rated DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 20°C, whichever is smaller. (Reference ambient temperature 20°C)