Chip EMIFIL® Inductor Type Chip Ferrite Beads

BLM18A Series (0603 Size)

### Dimension

- **0.4±0.2**
- **1.6±0.15**
- **0.8±0.15**

(in mm)

### Equivalent Circuit

- (Resistance element becomes dominant at high frequencies.)

### Packaging

<table>
<thead>
<tr>
<th>Code</th>
<th>Packaging</th>
<th>Minimum Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>180mm Paper Tape</td>
<td>4000</td>
</tr>
<tr>
<td>J</td>
<td>330mm Paper Tape</td>
<td>10000</td>
</tr>
<tr>
<td>B</td>
<td>Bulk(Bag)</td>
<td>1000</td>
</tr>
</tbody>
</table>

### Rated Value

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Impedance (at 100MHz/20°C)</th>
<th>Impedance (at 1GHz/20°C)</th>
<th>Rated Current</th>
<th>DC Resistance(max.)</th>
<th>Operating Temperature Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLM18AG121SN1</td>
<td>120ohm±25%</td>
<td>-</td>
<td>500mA</td>
<td>0.18ohm</td>
<td>-55°C to +125°C</td>
</tr>
<tr>
<td>BLM18AG151SN1</td>
<td>150ohm±25%</td>
<td>-</td>
<td>500mA</td>
<td>0.25ohm</td>
<td>-55°C to +125°C</td>
</tr>
<tr>
<td>BLM18AG221SN1</td>
<td>220ohm±25%</td>
<td>-</td>
<td>500mA</td>
<td>0.25ohm</td>
<td>-55°C to +125°C</td>
</tr>
<tr>
<td>BLM18AG331SN1</td>
<td>330ohm±25%</td>
<td>-</td>
<td>500mA</td>
<td>0.30ohm</td>
<td>-55°C to +125°C</td>
</tr>
<tr>
<td>BLM18AG471SN1</td>
<td>470ohm±25%</td>
<td>-</td>
<td>500mA</td>
<td>0.35ohm</td>
<td>-55°C to +125°C</td>
</tr>
<tr>
<td>BLM18AG601SN1</td>
<td>600ohm±25%</td>
<td>-</td>
<td>500mA</td>
<td>0.38ohm</td>
<td>-55°C to +125°C</td>
</tr>
<tr>
<td>BLM18AG102SN1</td>
<td>1000ohm±25%</td>
<td>-</td>
<td>400mA</td>
<td>0.50ohm</td>
<td>-55°C to +125°C</td>
</tr>
</tbody>
</table>

Number of Circuits: 1

Continued on the following page.

Note:

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### Caution/Notice

* Caution (Rating)
  Do not use products beyond the rated current and rated voltage as this may create excessive heat and deteriorate the insulation resistance.

* Notice
  Solderability of Tin plating termination chip might be deteriorated when low temperature soldering profile where peak solder temperature is below the Tin melting point is used. Please confirm the solderability of Tin plating termination chip before use.

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This data sheet is applied for CHIP FERRITE BEAD used for General Electronics equipment for your design.

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