EMIFIL® (Inductor type) Chip Ferrite Bead

BLM18A Series (0603 Size)

Dimensions

Equivalent Circuit

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 (□: packaging code)

<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</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 max.</td>
<td>-55 to +125°C</td>
</tr>
<tr>
<td>BLM18AG151SN1</td>
<td>150ohm ±25%</td>
<td>-</td>
<td>500mA</td>
<td>0.25ohm max.</td>
<td>-55 to +125°C</td>
</tr>
<tr>
<td>BLM18AG221SN1</td>
<td>220ohm ±25%</td>
<td>-</td>
<td>500mA</td>
<td>0.25ohm max.</td>
<td>-55 to +125°C</td>
</tr>
<tr>
<td>BLM18AG331SN1</td>
<td>330ohm ±25%</td>
<td>-</td>
<td>500mA</td>
<td>0.30ohm max.</td>
<td>-55 to +125°C</td>
</tr>
<tr>
<td>BLM18AG471SN1</td>
<td>470ohm ±25%</td>
<td>-</td>
<td>500mA</td>
<td>0.35ohm max.</td>
<td>-55 to +125°C</td>
</tr>
<tr>
<td>BLM18AG601SN1</td>
<td>600ohm ±25%</td>
<td>-</td>
<td>500mA</td>
<td>0.38ohm max.</td>
<td>-55 to +125°C</td>
</tr>
<tr>
<td>BLM18AG102SN1</td>
<td>1000ohm ±25%</td>
<td>-</td>
<td>400mA</td>
<td>0.50ohm max.</td>
<td>-55 to +125°C</td>
</tr>
</tbody>
</table>

Number of Circuits: 1

1. This data sheet is applied for CHIP FERRITE BEAD used for General Electronics equipment for your design.
2. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
3. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.
Continued from the preceding page.

- **Impedance-Frequency Characteristics (Main Items)**
  - BLM18AG121SN1
  - BLM18AG151SN1
  - BLM18AG221SN1
  - BLM18AG331SN1
  - BLM18AG471SN1

- **Impedance-Frequency Characteristics**
  - BLM18AG102SN1
  - BLM18AG601SN1
  - BLM18AG471SN1
  - BLM18AG331SN1
  - BLM18AG221SN1
  - BLM18AG151SN1
  - BLM18AG121SN1

Note:

1. This datasheet is downloaded from the website of Murata Manufacturing co., ltd. Therefore, its specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

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

2011.5.12
Continued from the preceding page.

**Impedance-Frequency Characteristics**

BLM18AG601SN1

---

**Impedance-Frequency Characteristics**

BLM18AG102SN1

---

**Caution/Notice**

**Caution (Rating)**

Do not use products beyond the rated current 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.

---

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

**Note:**

1. This datasheet is downloaded from the website of Murata Manufacturing co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.