



**THE DATASHEET OF
BLM18BD470SN1D**



● Part Numbering

Chip Ferrite Bead

(Part Number)

| | | | | | | | | |
|----|---|----|----|-----|---|---|---|---|
| BL | M | 18 | AG | 102 | S | N | 1 | D |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

① Product ID

| Product ID | |
|------------|--------------------|
| BL | Chip Ferrite Beads |

② Type

| Code | Type |
|------|---------------------------------------|
| A | Array Type |
| E | DC Bias Characteristics Improved Type |
| M | Ferrite Bead Single Type |
| T | Assembly Type |

④ Characteristics/Applications

| Code ^{*1} | Characteristics/Applications |
|--------------------|--|
| AG | For General Use |
| AX | |
| TG | |
| BA | For High-speed Signal Lines |
| BB | |
| BC | |
| BD | |
| BX | |
| KD | |
| KG | For Power Lines |
| KN | |
| KX | |
| PD | |
| PG | |
| PN | |
| PS | |
| PX | |
| PT | |
| SD | |
| SG | For Digital Interface |
| SN | |
| SP | For GHz Band General Use |
| RK | |
| HG | For GHz Band High-speed Signal Lines (Low Direct Current Type) |
| EB | |
| EG | For GHz Band General Use (Low DC Resistance Type) |
| EX | |
| HB | For GHz Band High-speed Signal Lines |
| HD | |
| HE | |
| HK | For GHz Band Digital Interface |
| GA | For High-GHz Band High-speed Signal Lines |
| GG | For High-GHz Band General Use |
| DN | For High-GHz Band General Use (Low Direct Current Type) |

*1 Frequency characteristics vary with each code.

③ Dimensions (LxW)

| Code | Dimensions (LxW) | Size Code (inch) |
|------|------------------|------------------|
| 02 | 0.4x0.2mm | 01005 |
| 03 | 0.6x0.3mm | 0201 |
| 15 | 1.0x0.5mm | 0402 |
| 18 | 1.6x0.8mm | 0603 |
| 2A | 2.0x1.0mm | 0804 |
| 21 | 2.0x1.25mm | 0805 |
| 31 | 3.2x1.6mm | 1206 |
| 32 | 3.2x2.5mm | 1210 |
| 41 | 4.5x1.6mm | 1806 |
| 5B | 5.0x5.0mm | 2020 |

⑤ Impedance

Expressed by three figures. The unit is in ohm (Ω) at 100MHz. The first and second figures are significant digits, and the third figure expresses the number of zeros that follow the two figures.

⑥ Electrode

Expressed by a letter.

Ex.)

| Code | Electrode |
|-------|--------------------------|
| S/F/T | Sn Plating |
| A | Au Plating |
| L | Lead Free Solder Plating |

⑦ Category

| Code | Category |
|------|-------------|
| N | For General |

⑧ Number of Circuits

| Code | Number of Circuits |
|------|--------------------|
| 1 | 1 Circuit |
| 4 | 4 Circuits |

⑨ Packaging

| Code | Packaging |
|------|---|
| K | Embossed Taping (\varnothing 330mm Reel) |
| L | Embossed Taping (\varnothing 180mm Reel) |
| B | Bulk |
| J | Paper Taping (\varnothing 330mm Reel) |
| D | Paper Taping (\varnothing 180mm Reel) |

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- ✓ Cost Control Management
- ✓ Shortage Management
- ✓ Alternative Solution
- ✓ Excess Inventory Management