# BL□ Chip Ferrite Bead Part Numbering

(Part Number)

| BL | M | 18 | AG | 102 | S | N | 1 | D |
|---|---|---|---|---|---|---|---|---|
| ❶ | ❷ | ❸ | ❹ | ❺ | ❻ | ❼ | ❽ | ❾ |

❶Product ID

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

❷Type

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

❸Dimensions (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 |

❹Characteristics/Applications

| Code *1 | Characteristics/Applications | Series |
|---|---|---|
| AG | For General Use | BLM03/15/18/21, BLA2A/31 |
| AX | | BLM02/03/15 |
| TG | | BLM18 |
| BA | For High-speed Signal Lines | BLM15/18 |
| BB | | BLM02/03/15/18/21, BLA2A |
| BC | | BLM02/03/15 |
| BD | | BLM03/15/18/21, BLA2A/31 |
| BX | | BLM02/03/15 |
| KD | For Power Lines | BLM15 |
| KG | | BLM18 |
| KN | | BLM31 |
| KX | | BLM02KX |
| PD | | BLM15 |
| PG | | BLM03/15/18/21/31/41 |
| PN | | BLE32 |
| PS | | BLE18 |
| PX | | BLM02/03/15 |
| PT | | BLT |
| SD | | BLM18 |
| SG | | |
| SN | | |
| RK | For Digital Interface | BLM18/21 |
| HG | For GHz Band General Use | BLM03/15/18 |
| EB | For GHz Band High-speed Signal Lines (Low Direct Current Type) | BLM03 |
| EG | For GHz Band General Use (Low DC Resistance Type) | BLM15/18 |
| EX | | BLM15 |
| HB | For GHz Band High-speed Signal Lines | BLM03/15/18 |
| HD | | BLM03/15/18 |
| HE | | BLM18 |
| HK | For GHz Band Digital Interface | BLM18 |
| GA | For High-GHz Band High-speed Signal Lines | BLM15 |
| GG | For High-GHz Band General Use | BLM15/18 |

*1 Frequency characteristics vary with each code.

Continued on the following page.↗

❺Impedance

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.

❻Electrode

Expressed by a letter.

Ex.)

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

❼Category

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

❽Number of Circuits

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

❾Packaging

| Code | Packaging | Series |
|---|---|---|
| **K** | Embossed Taping (ø330mm Reel) | **BLE32, BLM21**[*1]**/31K/31P/41** |
| **L** | Embossed Taping (ø180mm Reel) | **BLE32, BLM02B/02K/21**[*1]**/31/41, BLT** |
| **B** | Bulk | All Series[*4] |
| **J** | Paper Taping (ø330mm Reel) | **BLE18, BLM03/15/18**[*3]**/21**[*2]**, BLA2A/31** |
| **D** | Paper Taping (ø180mm Reel) | **BLE18, BLM02/03/15/18/21**[*2]**, BLA2A/31** |

*1 BLM21BD222SN1/BLM21BD272SN1 only.
*2 Except for BLM21BD222SN1/BLM21BD272SN1
*3 Except for BLM18T
*4 Except for BLM02BB

# NF□ Chip EMIFIL® Part Numbering

(Part Number)

| NF | Z | 32 | BW | 3R6 | H | N | 1 | 0 | L |
|---|---|---|---|---|---|---|---|---|---|
| ❶ | ❷ | ❸ | ❹ | ❺ | ❻ | ❼ | ❽ | ❾ | ❿ |

❶Product ID

| Product ID | |
|---|---|
| NF | Chip EMIFIL® |

❷Structure

| Code | Structure |
|---|---|
| Z | Inductor Type |

❸Dimensions (LxW)

| Code | Dimensions (LxW) | Size Code (inch) |
|---|---|---|
| 03 | 0.6x0.3mm | 0201 |
| 15 | 1.0x0.5mm | 0402 |
| 18 | 1.6x0.8mm | 0603 |
| 2M | 2.0x1.6mm | 0806 |
| 2H | 2.5x2.0mm | 1008 |
| 32 | 3.2x2.5mm | 1210 |
| 5B | 5.0x5.0mm | 2020 |

❹Features

| Code | Features |
|---|---|
| SM | For Audio Lines Multilayer Type |
| SW | For Audio Lines Wire Wound Type |
| BW | For LED Lines Wire Wound Type |
| BM | For LED Lines Multilayer Type |
| SG | For Audio Lines Multilayer Type (For GHz Band Use) |

❺Impedance

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

❻Inductance Tolerance

| Code | Features |
|---|---|
| S | For General Use (Sn Plating) |
| H | For General Use (LF Solder) *1 |
| L | For General Use (LF Solder) |

*1 NFZ32SW/32BW_H□1 only.

❼Category

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

❽Number of Circuits

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

❾Specification

| Code | Specification |
|---|---|
| 0 | Standard Type |
| 1 | Low Rdc Type |

❿Packaging

| Code | Packaging | Series |
|---|---|---|
| K | Embossed Taping (ø330mm Reel) | NFZ32/5B |
| L | Embossed Taping (ø180mm Reel) | NFZ2H/2M/32/5B |
| B | Bulk | NFZ03/15/18/2H/2M |
| D | Paper Taping (ø180mm Reel) | NFZ03/15/18 |