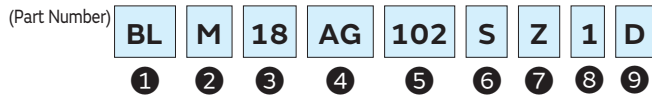


# BL Chip Ferrite Bead for Automotive Part Numbering



## ① Product ID

Product ID	
BL	Chip Ferrite Beads

## ② Type

Code	Type
E	DC Bias Characteristics Improved Type
M	Ferrite Bead Single Type

## ③ Dimensions (LxW)

Code	Dimensions (LxW)	EIA
03	0.6x0.3mm	0201
15	1.0x0.5mm	0402
18	1.6x0.8mm	0603
21	2.0x1.25mm	0805
31	3.2x1.6mm	1206
32	3.2x2.5mm	1210
41	4.5x1.6mm	1806

## ④ Characteristics/Applications

Code *1	Characteristics/Applications	Series	
AG	For General Use	BLM03/15/18/21	
AJ		BLM31	
AX		BLM03/15	
BA	For High-speed Signal Lines	BLM15/18	
BB		BLM03/15/18/21	
BC		BLM03/15	
BD		BLM03/15/18/21	
BX		BLM15	
KG		BLM18	
KN	For Power Lines	BLM31	
PD		BLM15	
PG		BLM03/15/18/21/31/41	
PN		BLE32	
PS		BLE18	
PX		BLM03/15	
SG		BLM18	
SN		BLM18/21/31	
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	
HB	For GHz Band High-speed Signal Lines	BLM03/15/18	
HD		BLM03/15/18	
HE		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.

## ⑤ Impedance

Expressed by three figures. The unit is in ohm ( $\Omega$ ) 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/B/J	Sn Plating
A	Au Plating
W	Ag/Pd

## ⑦ Category

Code	Category	
Z	For Automotive	Infotainment
H		Powertrain, Safety

## ⑧ Number of Circuits

Code	Number of Circuits
1	1 Circuit

Continued on the following page. ↗

## ⑨ Packaging

Code	Packaging	Series
<b>K</b>	Embossed Taping (ø330mm Reel)	<b>BLE32, BLM21<sup>*1</sup>/31A/31K/31P/41</b>
<b>L</b>	Embossed Taping (ø180mm Reel)	<b>BLE32, BLM21<sup>*1</sup>/31/41</b>
<b>B</b>	Bulk	All Series
<b>J</b>	Paper Taping (ø330mm Reel)	<b>BLE18, BLM03/15/18<sup>*2</sup>/21<sup>*3</sup></b>
<b>D</b>	Paper Taping (ø180mm Reel)	<b>BLE18, BLM03/15/18/21<sup>*3</sup></b>

<sup>\*1</sup> BLM21BD222S□1/BLM21BD272S□1 only.

<sup>\*2</sup> Except for BLM18KG\_JH1/\_BH1/BLM18BD\_BH1/BLM18AG\_BH1

<sup>\*3</sup> Except for BLM21BD222S□1/BLM21BD272S□1

# NF Chip EMIFIL<sup>®</sup> for Automotive Part Numbering

(Part Number) **NF** **Z** **32** **BW** **3R6** **H** **Z** **1** **0** **L**

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

## ① Product ID

Product ID	
NF	Chip EMIFIL <sup>®</sup>

## ② Structure

Code	Structure
Z	Inductor Type

## ③ Dimensions (LxW)

Code	Dimensions (LxW)	EIA
18	1.6x0.8mm	0603
32	3.2x2.5mm	1210
5B	5.0x5.0mm	2020

## ④ Features

Code	Features
SM	For Audio Lines Multilayer Type
BW	For LED Lines Wire Wound Type

## ⑤ Impedance

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

## ⑥ Inductance Tolerance

Code	Features
S	For General Use (Sn Plating)
H	For General Use (LF Solder) <sup>*1</sup>
L	For General Use (LF Solder)

<sup>\*1</sup> NFZ32BW\_H□1 only.

## ⑦ Category

Code	Category	
Z	For Automotive	Infotainment

## ⑧ Number of Circuits

Code	Number of Circuits
1	1 Circuit

## ⑨ Specification

Code	Specification
0	Standard Type
1	Low Rdc Type

## ⑩ Packaging

Code	Packaging	Series
K	Embossed Taping (ø330mm Reel)	NFZ32/5B
L	Embossed Taping (ø180mm Reel)	NFZ32/5B
B	Bulk	NFZ18
D	Paper Taping (ø180mm Reel)	NFZ18