

● Part Numbering

Chip Ferrite Bead for Automotive

(Part Number)

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

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)	Size Code (inch)
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		BLM31	
PD	For Power Lines	BLM15	
PG		BLM03/15/18/21/31/41	
PN		BLE32	
PS		BLE18	
PX		BLM03/15	
SG		BLM18	
SN		BLM18/21/31	
SP		BLM21	
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 (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/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

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⑨ Packaging

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

*1 BLM21BD222S□1/BLM21BD272S□1 only.

*2 Except for BLM18KG_JH1/_BH1/BLM18BD_BH1/BLM18AG_BH1

*3 Except for BLM21BD222S□1/BLM21BD272S□1

Chip EMIFIL[®] for Automotive

(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 [®]

2 Structure

Code	Structure
Z	Inductor Type

3 Dimensions (LxW)

Code	Dimensions (LxW)	Size Code (inch)
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 (Ω). 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) *1
L	For General Use (LF Solder)

*1 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 (\varnothing 330mm Reel)	NFZ32/5B
L	Embossed Taping (\varnothing 180mm Reel)	NFZ32/5B
B	Bulk	NFZ18
D	Paper Taping (\varnothing 180mm Reel)	NFZ18