

# BL   Chip Ferrite Bead Part Numbering

(Part Number)

<b>BL</b>	<b>M</b>	<b>18</b>	<b>AG</b>	<b>102</b>	<b>S</b>	<b>N</b>	<b>1</b>	<b>D</b>
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

## ③ Dimensions (L×W)

Code	Dimensions (L×W)	EIA
02	0.4×0.2mm	01005
03	0.6×0.3mm	0201
15	1.0×0.5mm	0402
18	1.6×0.8mm	0603
2A	2.0×1.0mm	0804
21	2.0×1.25mm	0805
31	3.2×1.6mm	1206
32	3.2×2.5mm	1210
41	4.5×1.6mm	1806

## ④ Characteristics/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		BLM03/15/18/21, BLA2A
BC		BLM03/15
BD		BLM03/15/18/21, BLA2A/31
BX		BLM02/15
PD		BLM15
PG	For Power Lines	BLM03/15/18/21/31/41
PN		BLE32
PX		BLM03/15
KG	For Power Lines (Low DC Resistance Type)	BLM18
SG		
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
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.

## 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/T	Sn Plating
	A	Au Plating

## ⑦ Category

Code	Category	
N	For General	
Z	For Automotive	Infotainment
H		Powertrain, Safety

## ⑧ Number of Circuits

Code	Number of Circuits
1	1 Circuit
4	4 Circuits

Continued on the following page.

⑨ Packaging

Code	Packaging	Series
<b>K</b>	Embossed Taping (ø330mm Reel)	<b>BLE, BLM21<sup>*1</sup>/31/41</b>
<b>L</b>	Embossed Taping (ø180mm Reel)	
<b>B</b>	Bulk	All Series
<b>J</b>	Paper Taping (ø330mm Reel)	<b>BLM03/15/18<sup>*3</sup>/21<sup>*2</sup>, BLA2A/31</b>
<b>D</b>	Paper Taping (ø180mm Reel)	<b>BLM02/03/15/18/21<sup>*2</sup>, BLA2A/31</b>

\*1 BLM21BD222SN1/BLM21BD272SN1 only.

\*2 Except for BLM21BD222SN1/BLM21BD272SN1

\*3 Except for BLM18T