Part Numbering

Chip Ferrite Bead for Automotive

(Part Number)

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

❶Product ID

Product ID	
BL	Chip Ferrite Beads

❷Type

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

❸Dimensions (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

❹Characteristics/Applications

Code *1	Characteristics/Applications
AG	For General Use
AJ	
AX	
BA	For High-speed Signal Lines
BB	
BC	
BD	
BX	
KG	For Power Lines
KN	
PD	
PG	
PN	
PS	
PX	
SG	
SN	
SP	
HG	For GHz Band General Use
EB	For GHz Band High-speed Signal Lines (Low Direct Current Type)
EG	For GHz Band General Use (Low DC Resistance Type)
HB	For GHz Band High-speed Signal Lines
HD	
HE	
GA	For High-GHz Band High-speed Signal Lines
GG	For High-GHz Band General Use

*1 Frequency characteristics vary with each code.

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/B/J	Sn Plating
A	Au Plating
W	Ag/Pd

❼Category

Code	Category	
Z	For Automotive	Infotainment
H		Powertrain, Safety

❽Number of Circuits

Code	Number of Circuits
1	1 Circuit

❾Packaging

Code	Packaging
K	Embossed Taping (ø330mm Reel)
L	Embossed Taping (ø180mm Reel)
B	Bulk
J	Paper Taping (ø330mm Reel)
D	Paper Taping (ø180mm Reel)