

● 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	
AG	For General Use	
AJ		
AX		
BA	For High-speed Signal Lines	
BB		
BC		
BD		
BX		
KG		
KN		
PD	For Power Lines	
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	
DN	For High-GHz Band General Use (Low Direct Current Type)	

*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

⑨ Packaging

Code	Packaging
K	Embossed Taping (\varnothing 330mm Reel)
L	Embossed Taping (\varnothing 180mm Reel)
B	Bulk
J	Paper Taping (\varnothing 330mm Reel)
D	Paper Taping (\varnothing 180mm Reel)

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