



# THE DATASHEET OF BLM21BD421SH1D



## ● 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
PE	
PG	
PN	
PS	
PX	
SG	
SN	
SP	
HG	
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 ( $\Omega$ ) 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.

Code	Electrode
S/F/T/B/J/E	Sn 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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