



**THE DATASHEET OF
BLM31PG500SN1L**



● Part Numbering

Chip Ferrite Bead

(Part Number)

BL	M	18	AG	102	S	N	1	D
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
H	High-Frequency • Broadband Type
M	Ferrite Bead Single Type
T	Assembly Type

④ Characteristics/Applications

Code ^{*1}	Characteristics/Applications
AG	For General Use
AX	
TG	
BA	For High-speed Signal Lines
BB	
BC	
BD	
BX	
KD	
KG	
KN	For Power Lines
KX	
PD	
PG	
PN	
PS	
PK	
PX	
PT	
SD	
SG	For Digital Interface
SN	
SP	For GHz Band General Use
RK	
HG	For GHz Band High-speed Signal Lines (Low Direct Current Type)
EB	
EG	For GHz Band General Use (Low DC Resistance Type)
EX	
HA	
HB	For GHz Band High-speed Signal Lines
HD	
HE	
HK	For GHz Band Digital Interface
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.

③ Dimensions (LxW)

Code	Dimensions (LxW)	Size Code (inch)
02	0.4x0.2mm	01005
03	0.6x0.3mm	0201
15	1.0x0.5mm	0402
18	1.6x0.8mm	0603
2A	2.0x1.0mm	0804
21	2.0x1.25mm	0805
31	3.2x1.6mm	1206
32	3.2x2.5mm	1210
41	4.5x1.6mm	1806
5B	5.0x5.0mm	2020

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.

Code	Electrode
S/F/T/B	Sn Plating
A	Au Plating
L	Lead-Free Solder Plating

⑦ Category

Code	Category
N	For General-Purpose

⑧ Number of Circuits

Code	Number of Circuits
1	1 Circuit
4	4 Circuits

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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