On-Board Type (DC) EMI Suppression Filters (EMIFIL®)

Ferrite Beads Inductors Part Numbering

Ferrite Beads Inductors

(Part Number) BL 02 RN 2 R1 M 2 B
❶ ❷ ❸ ❹ ❺ ❻ ❼ ❽

❶Product ID

Product ID	
BL	Ferrite Beads Inductors

❷Series

Code	Series
01	Beads ø3.6
02	Beads ø3.4
03	Beads ø2.3 max.

❸Beads Core Material

Code	Beads Core Material
RN	Standard Type

❹Numbers of Beads Core

Code	Numbers of Beads Core
1	1
2	2

❺Lead Type

Code	Lead Type
A1	Axial Straight Type
A2	Axial Crimp Type
R1	Radial Straight Type
R2	Radial Straight and wave formed Leads Type
R3	Radial Crimp Type

❻Lead Length, Space

Code	Lead Length, Space	Series
A	Bulk, Axial Type, 3.7mm	**BL01**
D	Bulk, Axial Type, 45.0mm	
E	Taping Axial Type, 26.0mm	
F	Taping, Axial Type, 52.0mm	
J	Bulk, Radial Type, 5.0mm	**BL02/BL03**
M	Bulk, Radial Type, 10.0mm	
N	Taping, Radial Type, 16.5mm	
P	Taping, Radial Type, 18.5mm	
Q	Taping, Radial Type, 20.0mm	

❼Lead Diameter

Code	Lead Diameter
1	ø0.60mm
2	ø0.65mm

❽Packaging

Code	Packaging	Series
A	Ammo Pack	**BL01/BL02/BL03**
B	Bulk	All series
J	Paper Reel (ø320mm)	**BL01**

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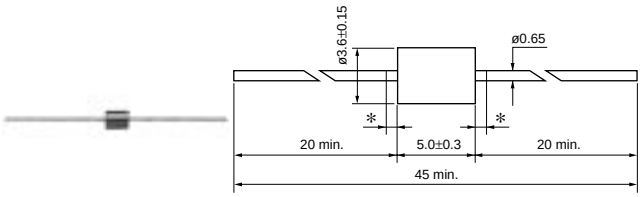
On-Board Type (DC) EMI Suppression Filters (EMIFIL®)

Ferrite Beads Inductors BL01/BL02/BL03 Series

■ Features

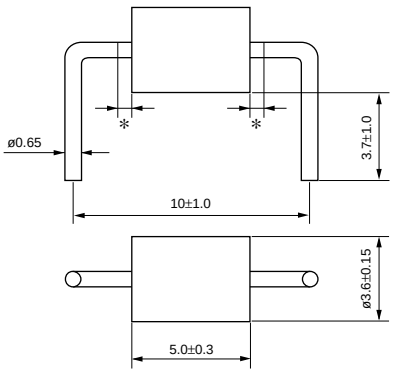
BL01/02/03 series are ferrite beads with lead wires to produce a high frequency loss for suppression of noise. Simple construction and easy-to-use, effective for low impedance circuits such as power supplies and grounds. Effective also for preventing overshoot and undershoot of digital signal in clocks or the like, and suppressing the higher harmonic wave. Suitable for prevention of abnormal oscillation at high frequency amplifying circuit.



∗Coating extending on leads : 1.5 max.

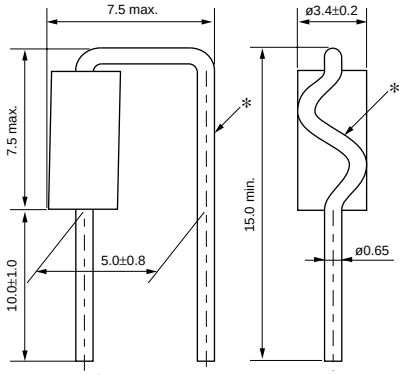
BL01RN1A1D2B

(in mm)



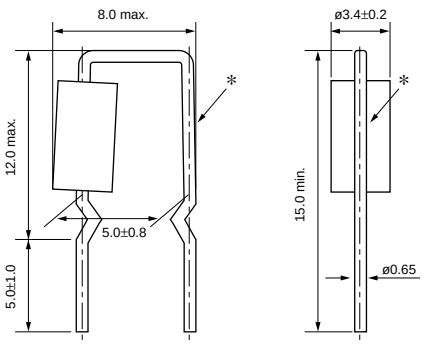
BL01RN1A2A2B

∗Coating extending on leads : 1.5 max. (in mm)



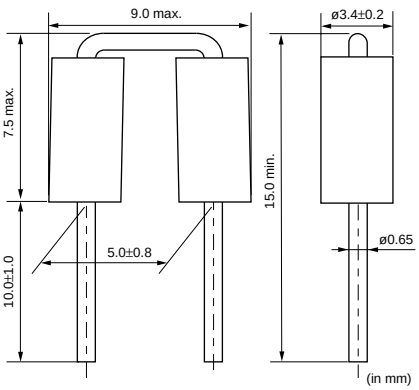
BL02RN1R2M2B

∗There is excess bond stick on the wire. (in mm)



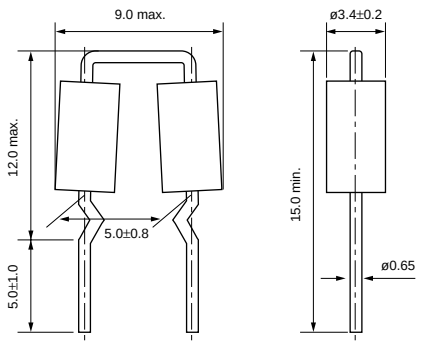
BL02RN1R3J2B

∗There is excess bond stick on the wire. (in mm)



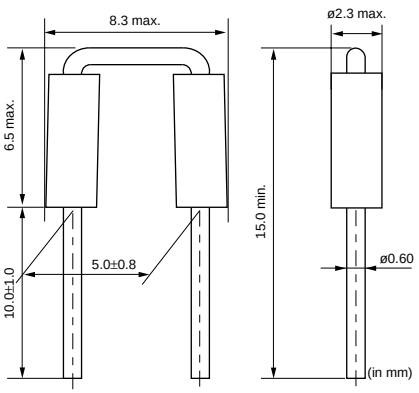
BL02RN2R1M2B

(in mm)



BL02RN2R3J2B

(in mm)

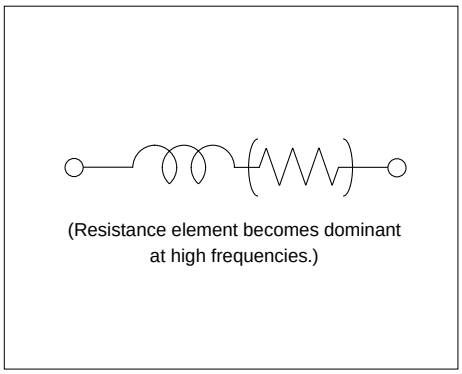


BL03RN2R1M1B

(in mm)

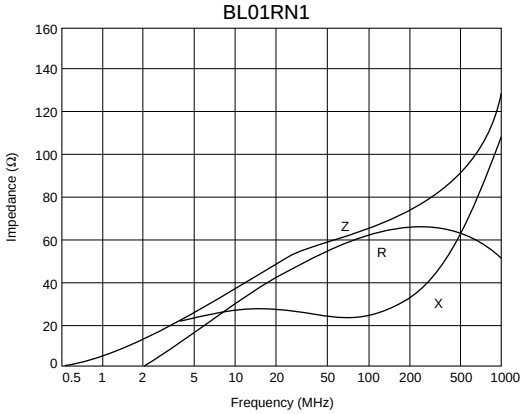
Part Number	Rated Current (A)	Operating Temperature Range (°C)
BL01RN1A1D2B	7	-40 to +85
BL01RN1A1E1A	6	-40 to +85
BL01RN1A1F1J	6	-40 to +85
BL01RN1A2A2B	7	-40 to +85
BL02RN1R2M2B	7	-40 to +85
BL02RN1R2N1A	6	-40 to +85
BL02RN1R2P1A	6	-40 to +85
BL02RN1R2Q1A	6	-40 to +85
BL02RN1R3J2B	7	-40 to +85
BL02RN1R3N1A	6	-40 to +85
BL02RN2R1M2B	7	-40 to +85
BL02RN2R1N1A	6	-40 to +85
BL02RN2R1P1A	6	-40 to +85
BL02RN2R1Q1A	6	-40 to +85
BL02RN2R3J2B	7	-40 to +85
BL02RN2R3N1A	6	-40 to +85
BL03RN2R1M1B	6	-40 to +85
BL03RN2R1N1A	6	-40 to +85
BL03RN2R1P1A	6	-40 to +85
BL03RN2R1Q1A	6	-40 to +85

■ Equivalent Circuit

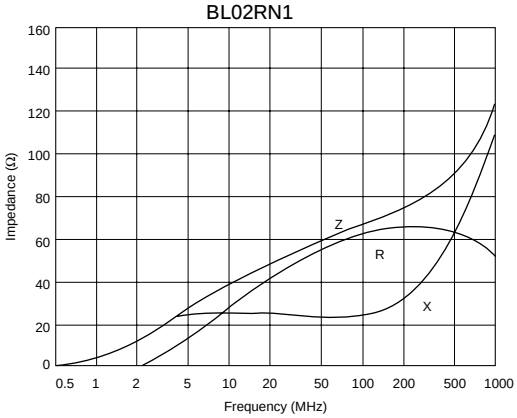


■ Impedance-Frequency Characteristics

BL01RN1



BL02RN1



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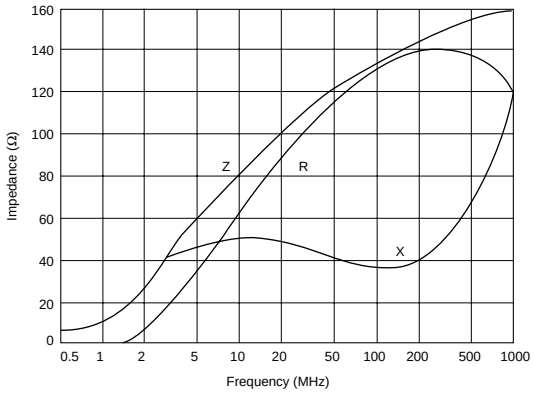
■ Impedance-Frequency Characteristics

BL02RN2



BL03RN2