

EMI Suppression Filters (Lead Type EMIFIL®)

Ferrite Beads Inductors Part Numbering

Ferrite Beads Inductors

(Part Number)

BL	02	RN	2	R1	M	2	B
①	②	③	④	⑤	⑥	⑦	⑧

① Product ID

Product ID	
BL	Ferrite Beads Inductors

② Series

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

③ Beads Core Material

Code	Beads Core Material
RN	Standard Type

④ Numbers of Beads Core

Code	Numbers of Beads Core
1	1
2	2

⑤ Lead Type

Code	Lead Type	Series
A1	Axial Straight Type	BL01
A2	Axial Crimp Type	BL01
R1	Radial Straight Type	BL02/BL03
R2	Radial Straight and Wave Formed Leads Type	BL02
R3	Radial Incrimp Type	BL02

⑥ Lead 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	

⑦ Lead Diameter

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

⑧ Packaging

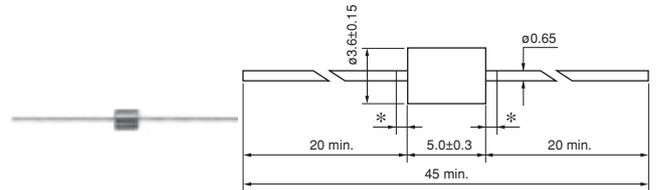
Code	Packaging	Series
A	Ammo Pack	BL01/BL02/BL03
B	Bulk	All Series
J	Paper Reel (ø320mm)	BL01

EMI Suppression Filters (Lead Type EMIFIL®)

Ferrite Beads Inductors BL01/02/03 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.

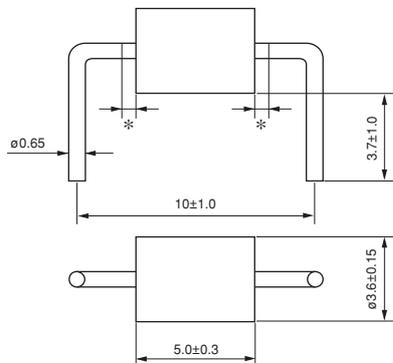


BL01RN1A1D2B

(in mm)



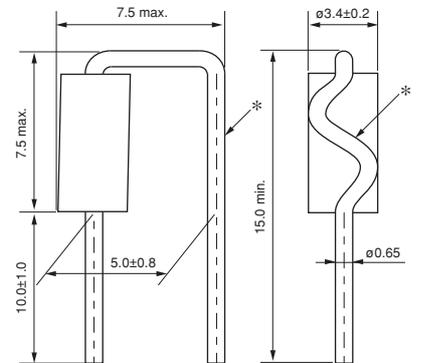
BL01RN1A2A2B



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



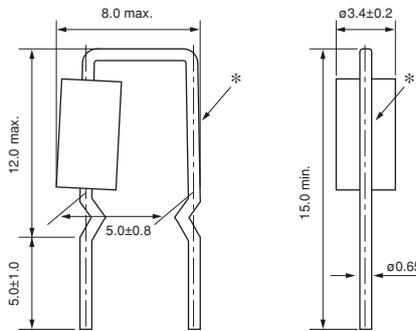
BL02RN1R2M2B



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



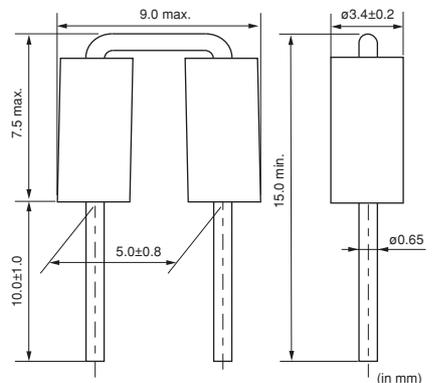
BL02RN1R3J2B



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



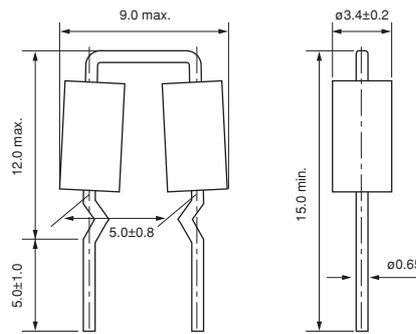
BL02RN2R1M2B



(in mm)



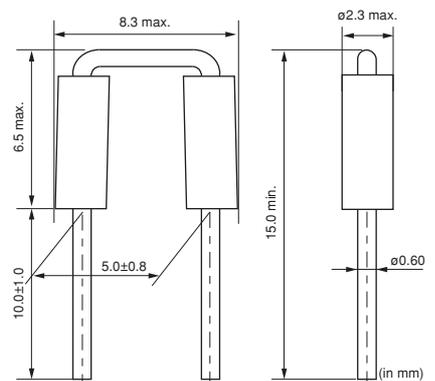
BL02RN2R3J2B



(in mm)



BL03RN2R1M1B



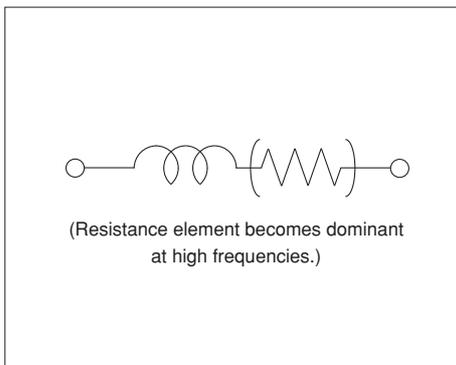
(in mm)

BL01/BL02/BL03 Series

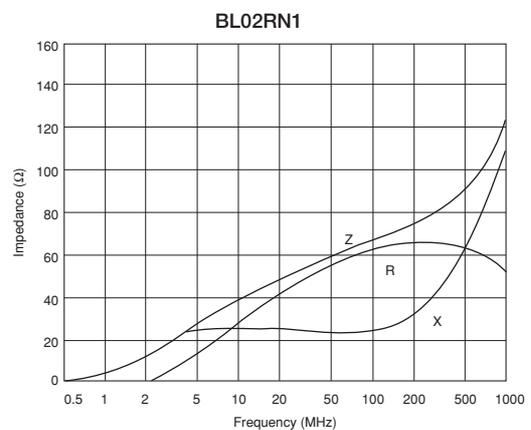
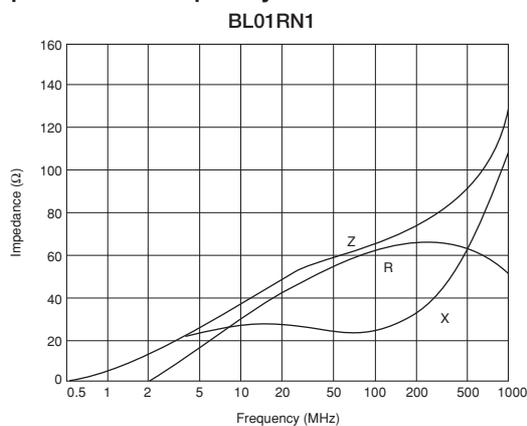
Part Number	Rated Current (A)	Operating Temperature Range
BL01RN1A1D2B	7	-40 to +85°C
BL01RN1A1E1A	6	-40 to +85°C
BL01RN1A1F1J	6	-40 to +85°C
BL01RN1A2A2B	7	-40 to +85°C
BL02RN1R2M2B	7	-40 to +85°C
BL02RN1R2N1A	6	-40 to +85°C
BL02RN1R2P1A	6	-40 to +85°C
BL02RN1R2Q1A	6	-40 to +85°C
BL02RN1R3J2B	7	-40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

Please refer to p.35, "Packaging" for Dimensions of Part Numbers Except for 'B' for the last code.

■ Equivalent Circuit



■ Impedance - Frequency Characteristics

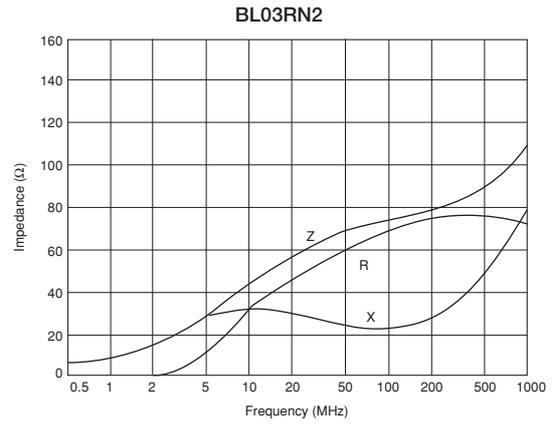
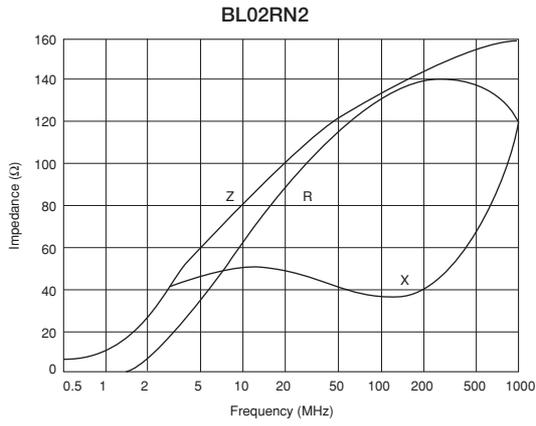


Continued on the following page.

⚠Note • Please read rating and ⚠CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
 • This catalog has only typical specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

↳ Continued from the preceding page.

■ Impedance - Frequency Characteristics



Ferrite Beads Inductors

Disc Type EMIFIL®

EMIGUARD®
(EMIFIL® with Varistor Function)

Common Mode Choke Coils

⚠Caution / Notice

Soldering and Mounting

Packaging