BEAD Filter

Features

- Available in various configurations to conform to the wiring materials in use the characteristics as required.
- Absorbs noise effectively because of the impedance over 30Ω in high frequency band.
- Automatic insertion type of taping is available.
- An invention patented article Korea, Japan, U.S.A, U.K, Taiwan, Germany, Sweden, Italy.

Applications

- Computers and peripheral equipment, word processors, facsimiles.
- Digital controlled equipment and electronic type writer, program controllers.
- Automotive engine control units, car electronics.
- TVs, VCRs, electronic music instruments, video games etc.

How to Order (Product Identification)

BF S 3550 R 2 F

1 2 3 4 5 6

1 Type

BEAD Filter

2 Beads Shape Code

S	D	W	R
Single Bead	Double Bead	Wide Bead	Ferrite Core

3 Physical Dimensions

Unit : mm

Single & Double Type				Wide Type		Ferrite Core Type	
Code	Size O.D×L	Code	Size O.D×L	Code	Size O.D×L	Code	Size O.D×L×I.D
2070	2.0×7.0	3565	3.5×6.5	7555	7.5×5.5	601009	6.0×10×0.9
2550	2.5×5.0	3580	3.5×8.0				
3550	3.5×5.0	3510	3.5×10.0				
3557	3.5×5.7	3512	3.5×12.0				
3560	3.5×6.0	3514	3.5×14.0				

[O.D : Out Diameter, L : Length, W : Width, I.D : Inner Diameter]

4 Leaded Type

A : Axial Leaded R : Radial Leaded

5 Leaded Pitch

0 : Straight 2 : 5mm Pitch

6 Packing Style

Code	Packing	Code	Packing
B	Bulk Packing	F	Taping Type Flat Pack(Radial)
S	Taping Type Flat Pack(Axial 26mm)	L	Taping Type Flat Pack(Axial 52mm)

Specifications

Testing frequency : at 100MHz, an exception SPEC : BFS 3557 A0. BFS 3560 A0 at 10MHz

Spec	|z|(Ω)		DC Resistance (mΩ)	Insulation (At DC 100V, MΩ)	Allowable DC Current (A Max.)
	Min.	Typical			
BFD 2070 R2	120	150	10	1	3
BFS 2550 A0	50	65	10	1	3
BFS 2550 R2	50	65	10	1	3
BFD 2550 R2	100	130	10	1	3
BFS 3550 A0	65	70	10	1	6
BFS 3550 R2	65	70	10	1	6
BFD 3550 R2	130	140	10	1	6
BFS 3557 A0	31.5	45	10	1	6
BFS 3560 A0	31.5	45	10	1	6
BFS 3565 A0	80	100	10	1	6
BFS 3565 R2	80	100	10	1	6
BFD 3565 R2	160	200	10	1	6
BFS 3580 A0	103	120	10	1	6
BFS 3580 R2	103	120	10	1	6
BFD 3580 R2	206	240	10	1	6
BFS 3510 A0	120	150	10	1	6
BFS 3510 R2	120	150	10	1	6
BFD 3510 R2	240	300	10	1	6
BFS 3512 A0	148	180	10	1	6
BFS 3512 R2	148	180	10	1	6
BFD 3512 R2	296	360	10	1	6
BFS 3514 A0	170	210	10	1	6
BFS 3514 R2	170	210	10	1	6
BFD 3514 R2	340	420	10	1	6
BFW 7555 R2	90	120	10	1	6
BFR601009C8ND	280	350	50	1	6
BFR601009C8NE	360	450	50	1	6
BFR601009C8NF	440	550	50	1	6
BFR601009C8NG	520	650	50	1	6

Electrical Characteristics Test Method

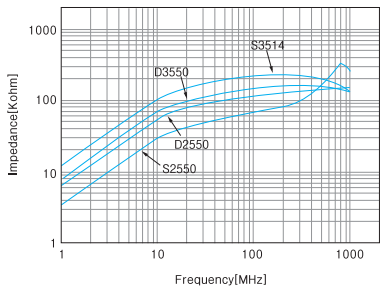
1. Impedance(|Z|)

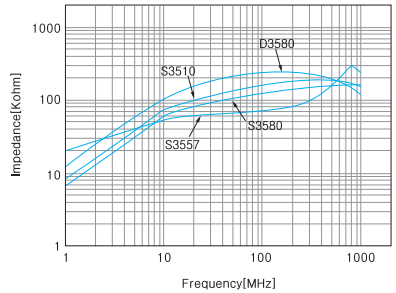
Refer to article |Z|-f Characteristics(Measurement : Impedance Analyzer)

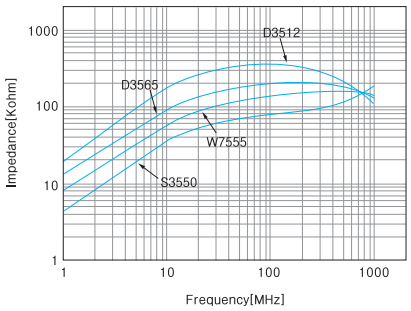
2. Insulation Resistance Test

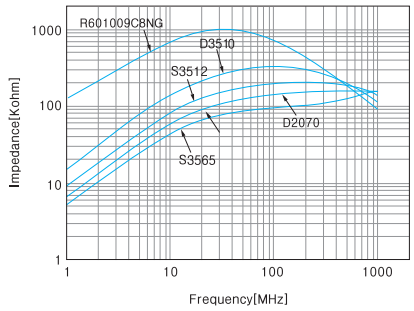
Insulation resistance test between core and wire shall be measured H.P 4339B Insulation Resistance Meter Insulation Resistance : 1MΩ, Min. ↑ (At DC 100V, 60Sec)

|Z|-f Characteristics





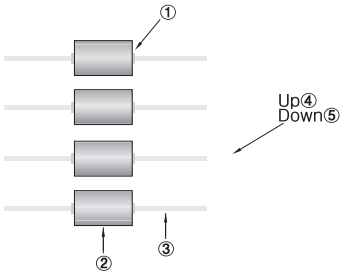




Material Certificate

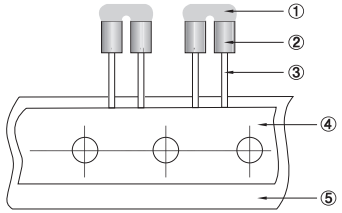
※ We guarantee that the same material above used

Axial



No.	Component Parts	Material	Remark
①	Epoxy Bond	Uni Bond Orange	Lead free
②	Ferrite Core	Ni-Zn Material	Lead free
③	Lead-Wire	Sn 100% Plat on Copper Wire(0.6Ø)	Lead free
④	Marking Tape	Width 5.8mm	Lead free
⑤	Paper Tape	Width 6.0mm	Lead free

Radial

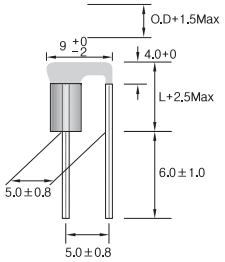


No.	Component Parts	Material	Remark
①	Epoxy Bond	ECP-200 Orange	Lead free
②	Ferrite Core	Ni-Zn Material	Lead free
③	Lead-Wire	Sn 100% Plat on Copper Wire(0.6Ø)	Lead free
④	Marking Tape	Heating Tape	Lead free
⑤	Hard Paper	18mm×0.38mm	Lead free

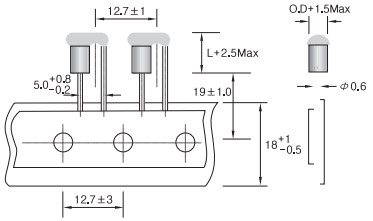
Shape & Dimensions

Radial Type

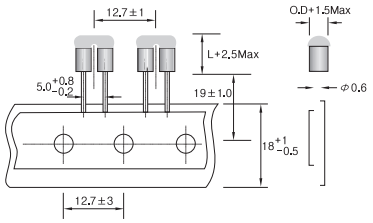
BFS R2B Type



BFS R2F Type



BFD R2F Type



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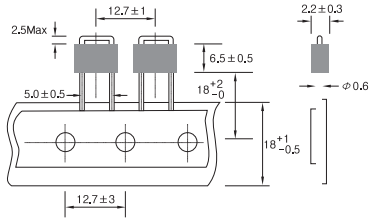

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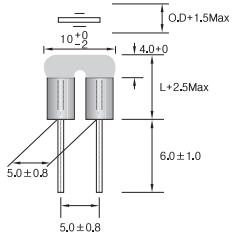

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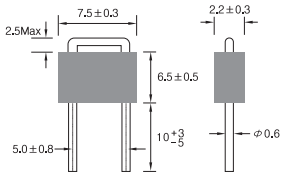
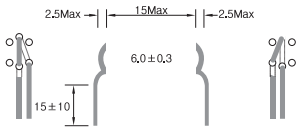
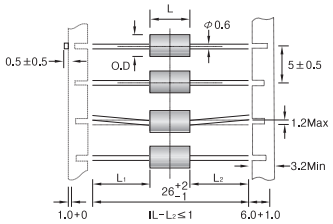


BFR 6010 Type



Axial Type

BFS A0S Type



BFS A0L Type