

## High Current Chip Ferrite Bead

### ◆ Features

- 1、 Internal silver printed layers and magnetic shielded structures to minimize crosstalk
- 2、 Large withstand current
- 3、 Can be used in a wide range of frequency to suppress EMI
- 4、 Three types material and wide range of impedance values for various applications
- 5、 RoHS Compliant.



### ◆ Application

- 1、 High current DC power lines.
- 2、 Noise suppression for power line or large current signal of electric equipments such as computers and peripheral devices, DVD cameras, LCD TVs, communication equipments, OA equipments, etc.

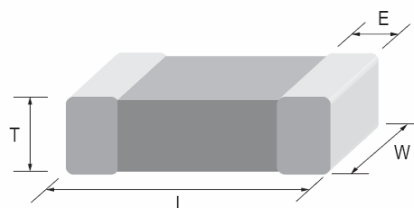
### ◆ PRODUCT IDENTIFICATION

**SBH 2012 S 600 R S P**  
**(1) (2) (3) (4) (5) (6) (7)**

- (1) Series Type
- (2) Chip Size (mm) :Length X Width
- (3) Material Code
- (4) Nominal Impedance:600=60Ω;601=600Ω;  
102=1000Ω
- (5) Rated Curren: E=300mA;F=500mA;J=800mA  
L =1000mA; M=1500mA;  
N=2000mA; P=2500mA;  
Q=3000mA; R=4000mA;  
U=5000mA W=6000mA.
- (6) Company Code
- (7) Packaging:P–Embossed paper tape, 7" reel  
E- Embossed plastic tape, 7" reel

### ◆ Dimensions Unit: mm

Size(EIA)	L	W	T	E
2012(0805)	2.00±0.20	1.25±0.20	0.90±0.20	0.50±0.30



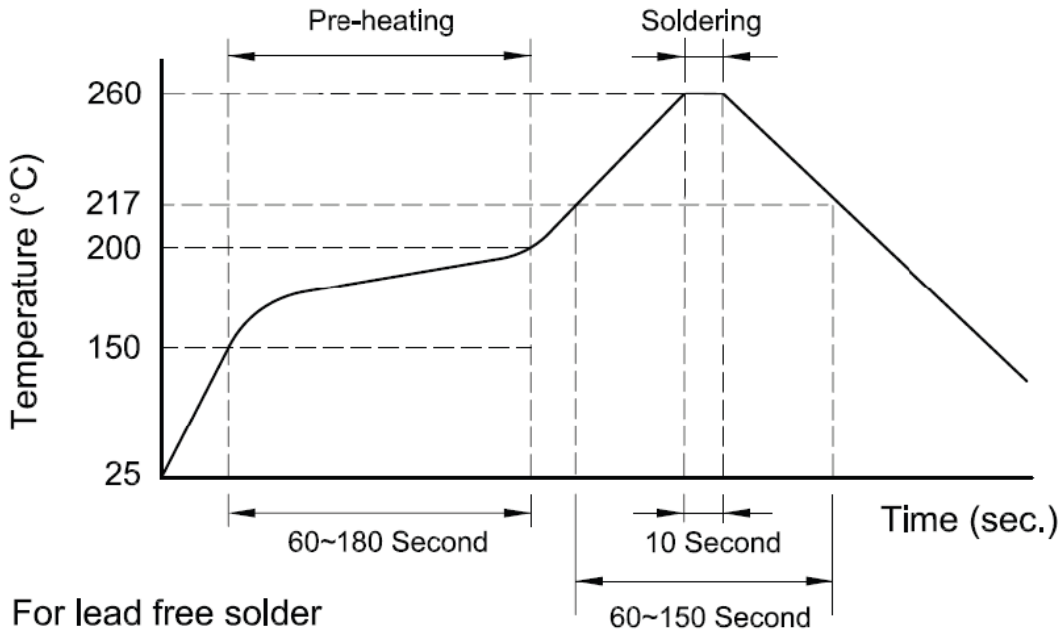
**◆ Specifications**

Part Number	Impedance (Ω)	Test Freq. (MHz)	DCR Max. (Ω)	Rated Current (mA)
<b>SBH2012 Series</b>				
SBH2012S110USP	11±25%	100	0.015	5000
SBH2012S300USP	30±25%	100	0.030	5000
SBH2012S600RSP	60±25%	100	0.035	4000
SBH2012S900QSP	90±25%	100	0.040	3000
SBH2012S101QSP	100±25%	100	0.042	3000
SBH2012S121QSP	120±25%	100	0.055	3000
SBH2012S151QSP	150±25%	100	0.057	3000
SBH2012S181QSP	180±25%	100	0.060	3000
SBH2012S221QSP	220±25%	100	0.075	3000
SBH2012S301NSP	300±25%	100	0.080	2000
SBH2012S331NSP	330±25%	100	0.085	2000
SBH2012S601NSP	600±25%	100	0.090	2000
SBH2012S102LSP	1000±25%	100	0.120	1000

**◆ General Technical Data**

<b>Operating Temperature Range</b>	-55℃ ~ +125℃
<b>Storage Condition</b>	Less than 40℃ and 70% RH
<b>Soldering Method</b>	Reflow or Wave Soldering

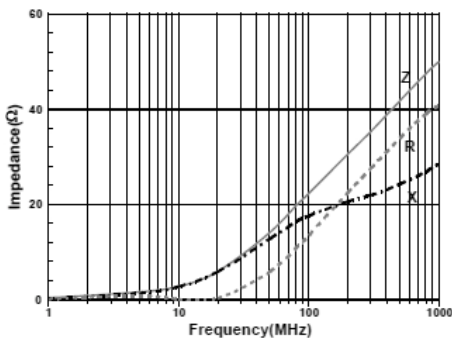
## ◆ Recommended Soldering Conditions



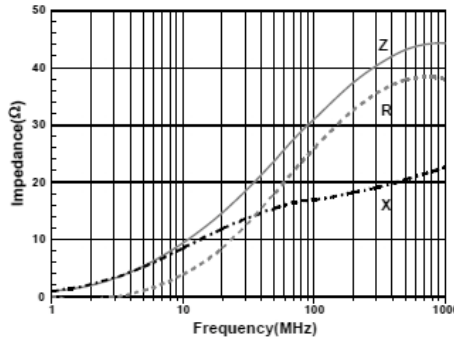
## ◆ Characteristics

### SBH2012 TYPE

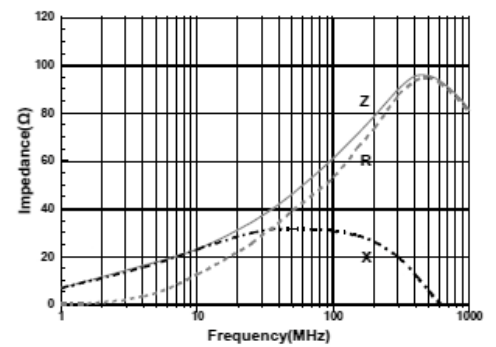
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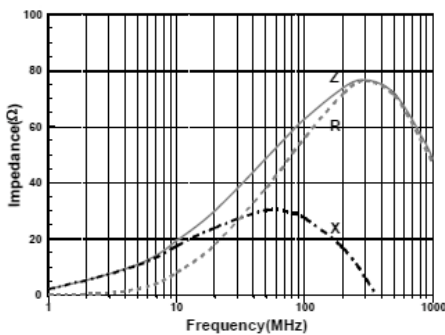
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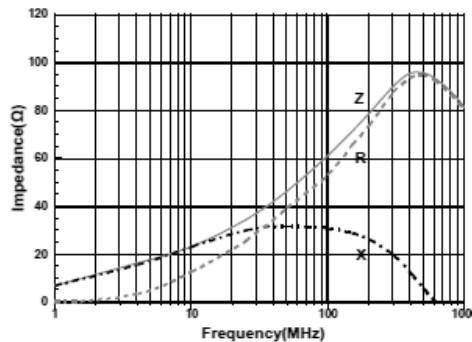
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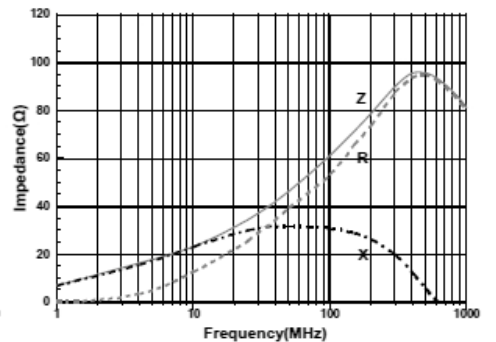
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SBH2012S800QSP

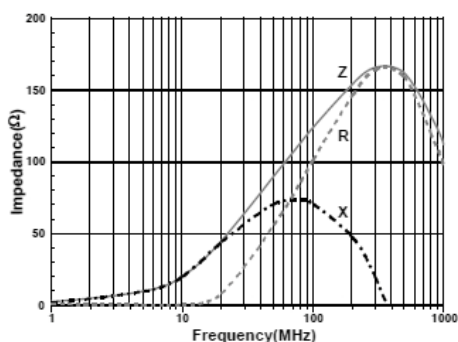


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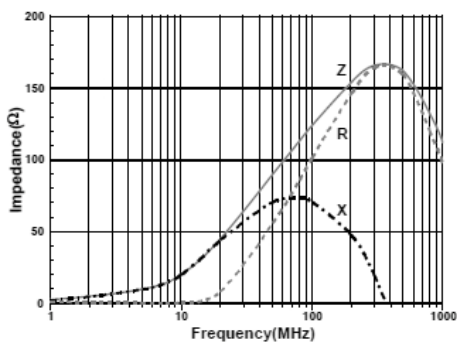


## SBH2012S TYPE

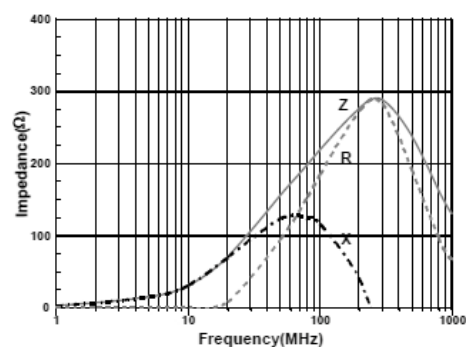
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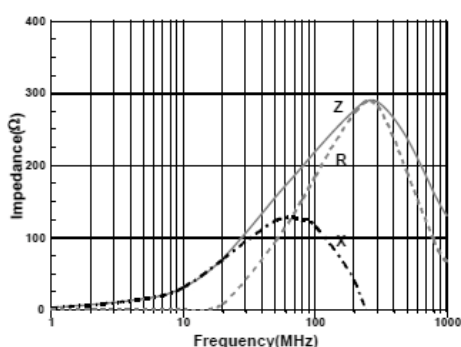
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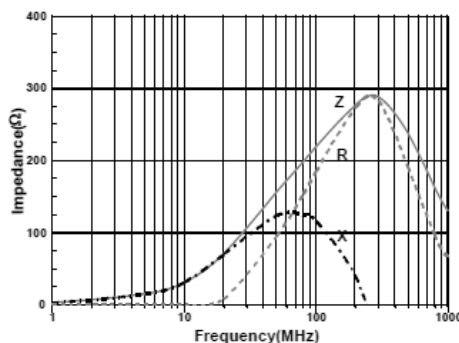
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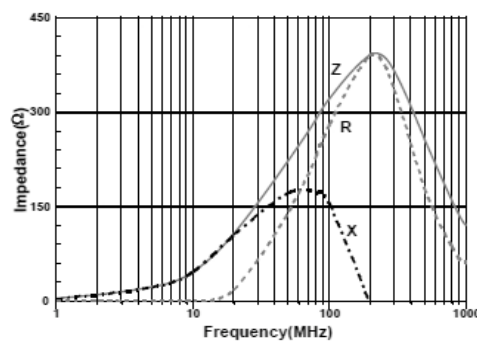
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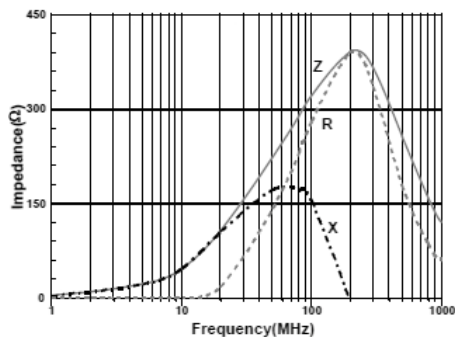
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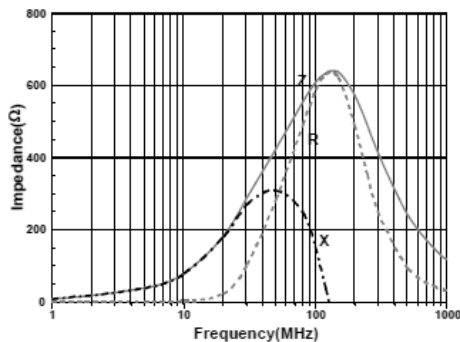
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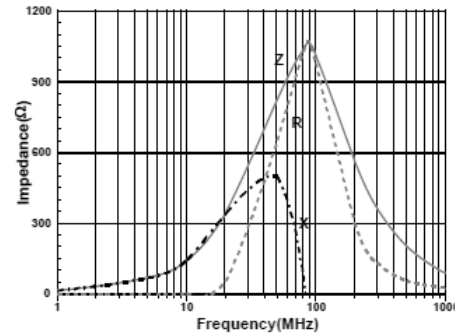
SBH2012S331PSP



SBH2012S601LSP



SBH2012S102JSP



### ◆ Package

Size EIA (EIA)	1005 (0402)	1608 (0603)	2012 (0805)	3216 (1206)	4532 (1812)
Standard Packing Quantity (pcs / reel)	10,000	4,000	4,000	4,000	1,000