

## High Current Chip Ferrite Bead

### ◆ Features

- 1、 Internal silver printed layers and magnetic shielded structures to minimize crosstalk
- 2、 Large withstand current (allowable current: up to 6A)
- 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.

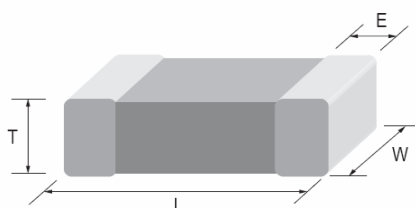
### ◆ PRODUCT IDENTIFICATION

**SBH 1608 S 601 J 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 Current: 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
1608(0603)	1.60±0.15	0.88±0.15	0.80±0.15	0.30±0.20



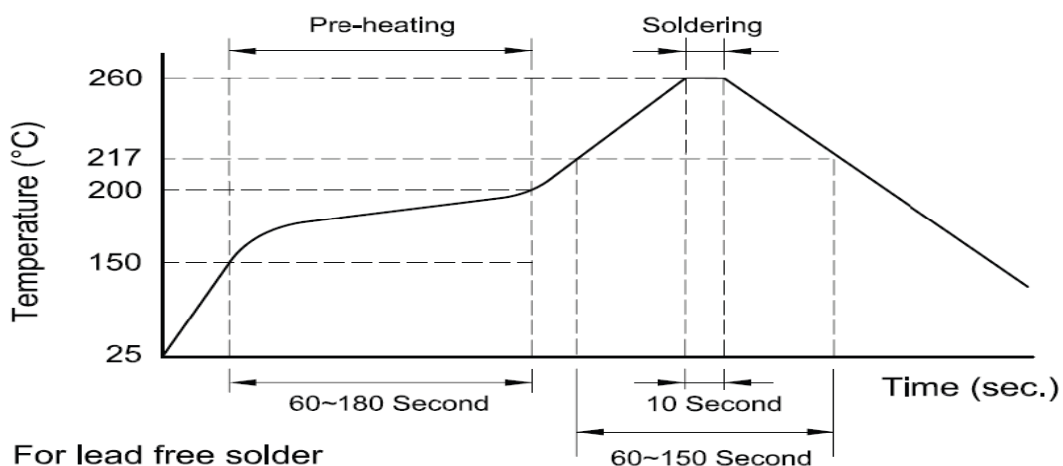
## ◆ Specifications

Part Number	Impedance (Ω)	Test Freq. (MHz)	DCR Max. (Ω)	Rated Current (mA)
<b>SBH1608S Series</b>				
SBH1608S100QSP	10±25%	100	0.040	3000
SBH1608S300QSP	30±25%	100	0.040	3000
SBH1608S600QSP	60±25%	100	0.040	3000
SBH1608S900QSP	90±25%	100	0.040	3000
SBH1608S121QSP	120±25%	100	0.070	3000
SBH1608S181NSP	180±25%	100	0.080	2000
SBH1608S221NSP	220±25%	100	0.090	2000
SBH1608S301LSP	300±25%	100	0.110	1000
SBH1608S471LSP	470±25%	100	0.150	1000
SBH1608S601LSP	600±25%	100	0.200	1000
SBH1608S102LSP	1000±25%	100	0.300	1000
SBH1608S152FSP	1500±25%	100	0.400	500

## ◆ General Technical Data

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

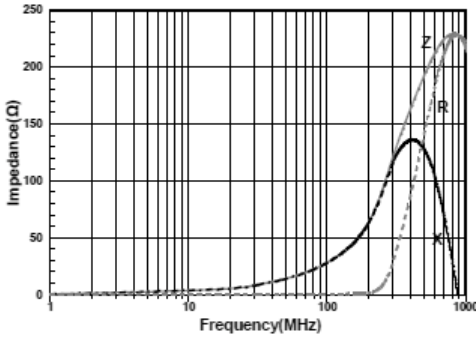
## ◆ Recommended Soldering Conditions



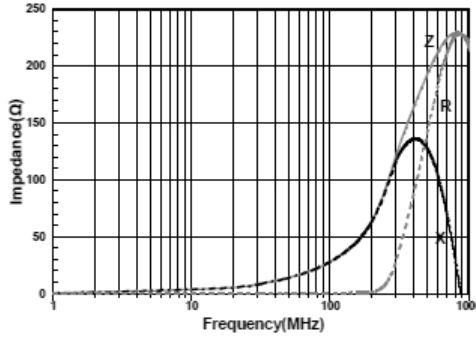
◆ Characteristics

## SBH1608 TYPE

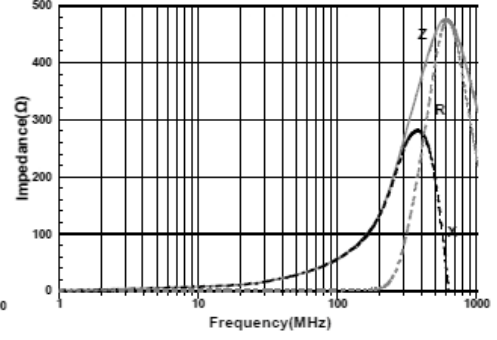
SBH1608S100QSP



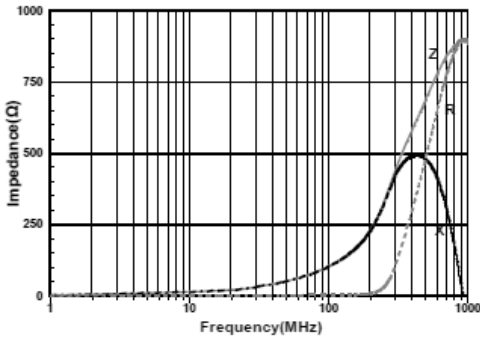
SBH1608S300QSP



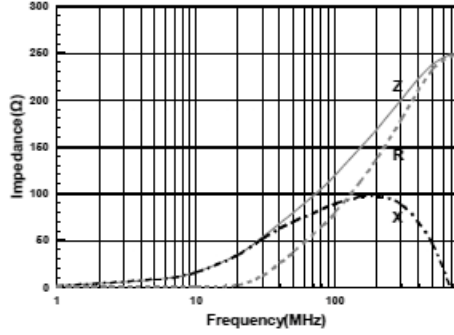
SBH1608S600PSP



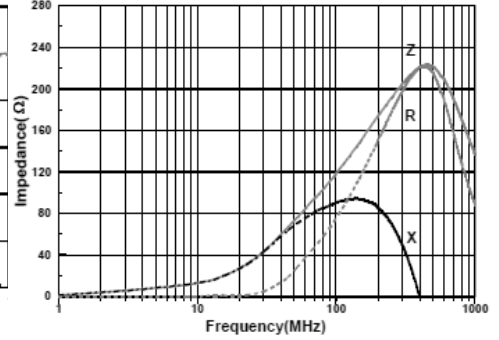
SBH1608S900PSP C



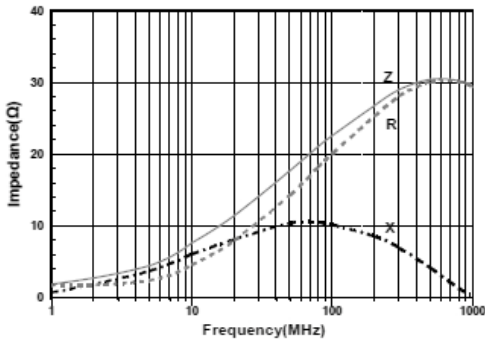
SBH1608S121NSP



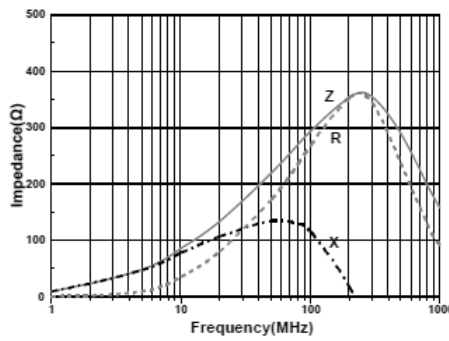
SBH1608S181MSP



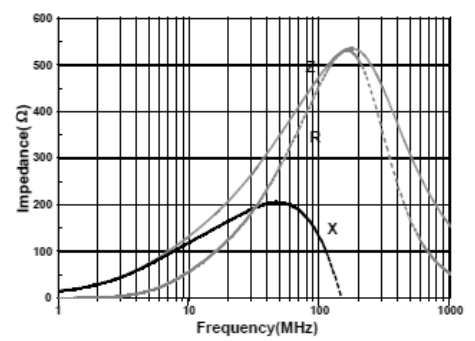
SBH1608S221MSP



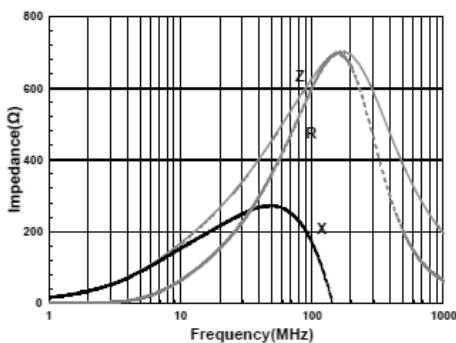
SBH1608S301LSP



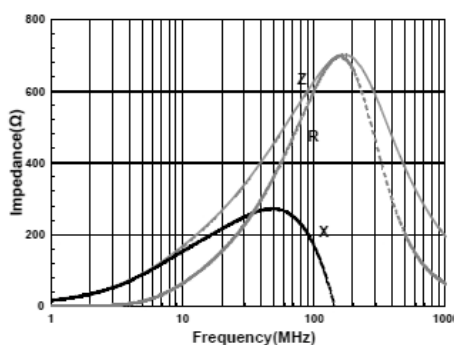
SBH1608S471LSP



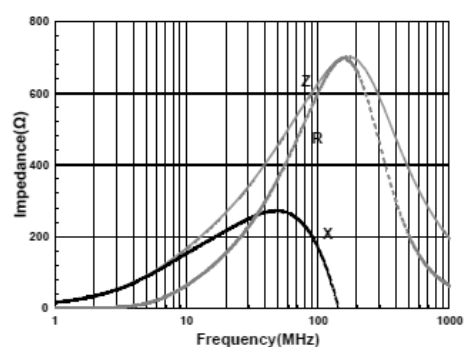
SBH1608S601LSP



SBH1608S102LSP



SBH1608S152FSP



## ◆ 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

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Ferrite Beads](#) category:*

*Click to view products by [Sunltech](#) manufacturer:*

Other Similar products are found below :

[CZB1EGTTP700P](#) [CZB1JGTTD152P](#) [CZB1JGTTD601P](#) [CZB2AFTTD800P](#) [CZB2AGTTD121P](#) [CZB2AGTTD601P](#) [CZB2BFTTE600P](#)  
[PE-0402FB121ST](#) [NCB0603R301TR050F](#) [NCB0805A320TR050F](#) [NCB-H1206B680TR300F](#) [SMB2.5-1TR](#) [SMB2.5R-2](#) [CZB1EGTTP121P](#)  
[CZB1JGTTD102P](#) [CZB1JGTTD121P](#) [CZB1JGTTD221P](#) [CZB1JGTTD600P](#) [CZB2AGTTD301P](#) [CZB2BFTTE301P](#) [CZB2BFTTE601P](#)  
[4221R-1](#) [4221R-2](#) [4221R-3](#) [432703041971](#) [EMI0805R-2000](#) [EMI0805R-600](#) [SBY100505T-100Y-N](#) [NCB-GH0402D121TR060F](#) [NCB-](#)  
[H1812D125TR150F](#) [CZB2AGTTD102P](#) [NCB0402P301TR005F](#) [NCB0603R152TR030F](#) [NCB0805A121TR050F](#) [NCB3312K900TR500F](#)  
[NCB-H0805A102TR150F](#) [NCB-H0805A221TR300F](#) [NCB-H1806E181TR300F](#) [NCB0402P300TR030F](#) [NCB0402P700TR050F](#)  
[NCB0805A102TR040F](#) [NCB1806E151TR020F](#) [NCB-H0603R121TR300F](#) [NCB-H0805A220TR600F](#) [NCB-H0805A390TR400F](#) [NCB-](#)  
[H1206B121TR300F](#) [NCB-H1206B601TR200F](#) [CIM21J252NE](#) [EMI0805R-220](#) [74279250](#)