

## 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.

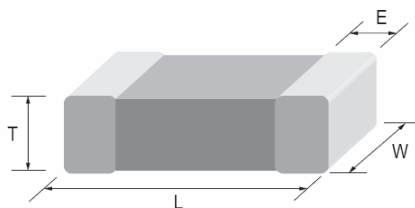
### ◆ PRODUCT IDENTIFICATION

**SBH 1005 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
1005 (0402)	1.00±0.10	0.50±0.10	0.50±0.10	0.250±0.10

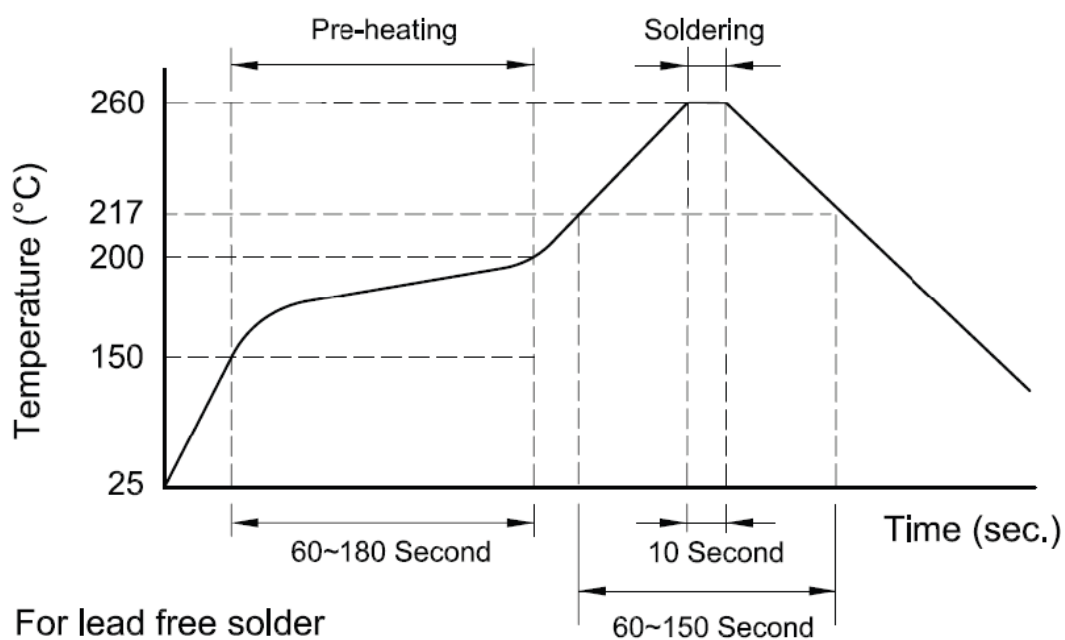


**◆ Specifications**

Part Number	Impedance (Ω)	Test Freq. (MHz)	DCR Max. (Ω)	Rated Current (mA)
<b>SBH1005S Series</b>				
SBH1005S100PSP	10±25%	100	0.050	2500
SBH1005S300PSP	30±25%	100	0.060	2500
SBH1005S600PSP	60±25%	100	0.070	2500
SBH1005S900NSP	90±25%	100	0.090	2000
SBH1005S121NSP	120±25%	100	0.095	2000
SBH1005S221JSP	220±25%	100	0.130	1000
SBH1005S601JSP	600±25%	100	0.340	800
SBH1005S102FSP	1000±25%	100	0.830	500

**◆ General Technical Data**

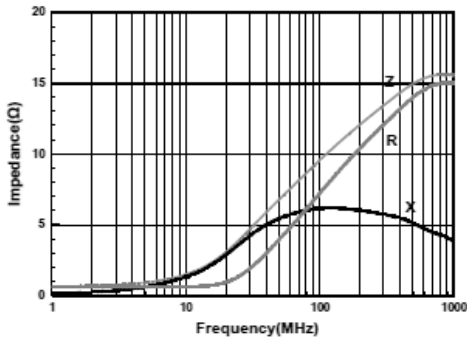
<b>Operating Temperature Range</b>	-55°C ~ +125°C
<b>Storage Condition</b>	Less than 40°C and 70% RH
<b>Soldering Method</b>	Reflow or Wave Soldering

**◆ Recommended Soldering Conditions**


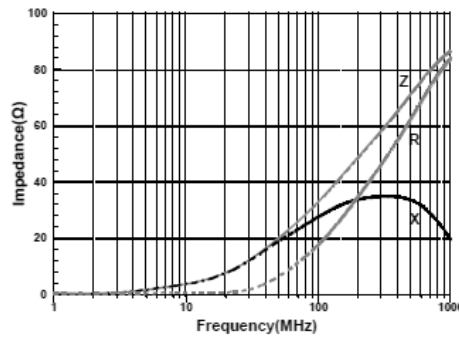
◆ **Characteristics**

### SBH1005S Series

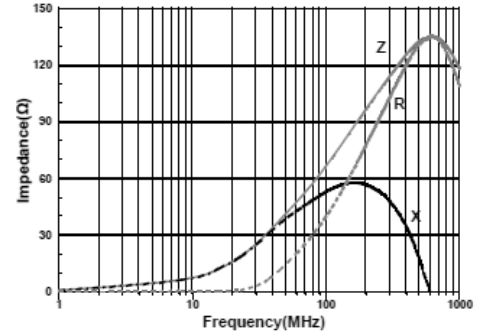
SBH1005S100PSP



SBH1005S300PSP

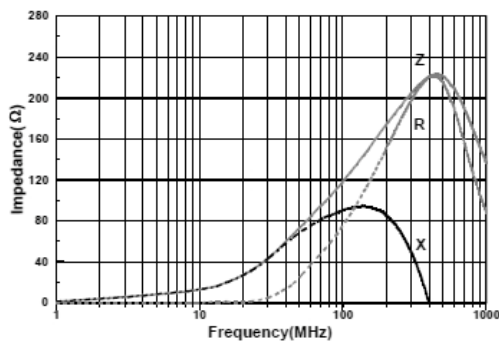


SBH1005S600PSP

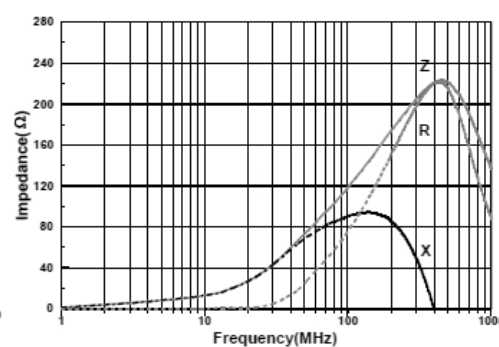


◆ **Characteristics**

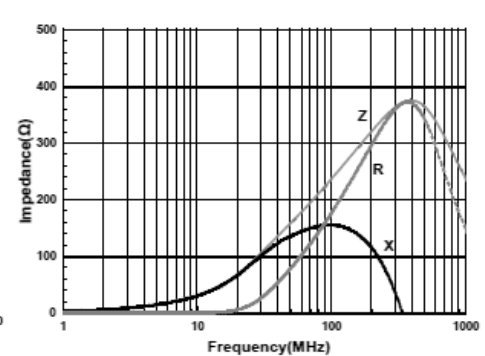
SBH1005S900NSP



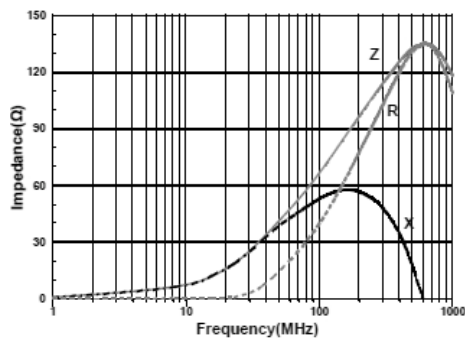
SBH1005S121NSP



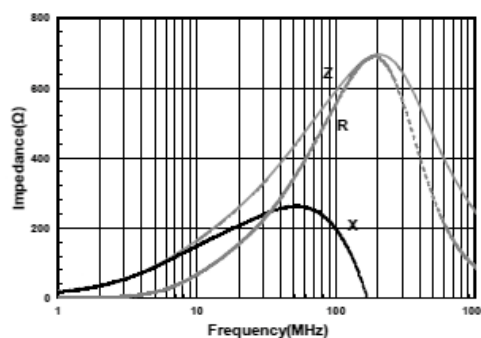
SBH1005S221JSP



SBH1005S601JSP



SBH1005S102FSP



◆ **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