

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.

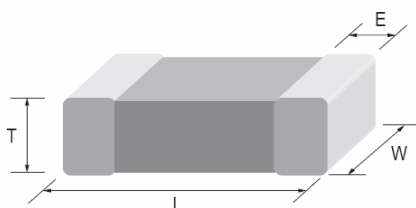
◆ PRODUCT IDENTIFICATION

SBH 3216 S 600 U 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 |
|------------|-----------|-----------|----------|-----------|
| 3216(1206) | 3.20±0.20 | 1.60±0.20 | 0.9±0.20 | 0.50±0.30 |

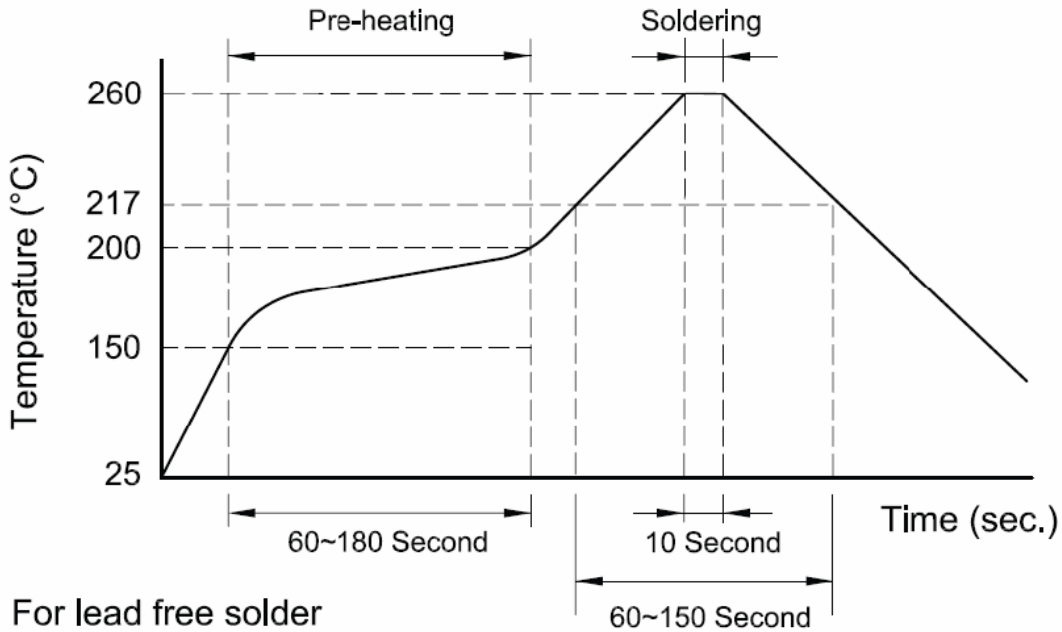
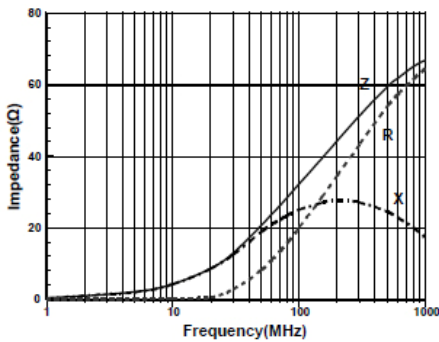
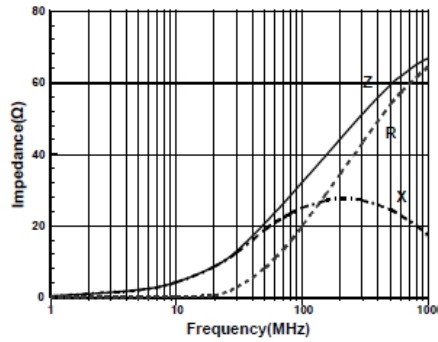
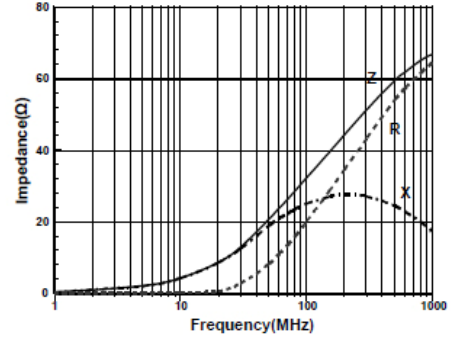
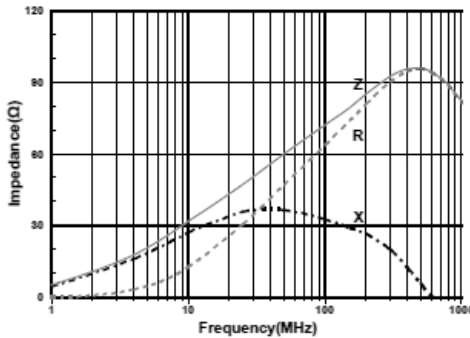
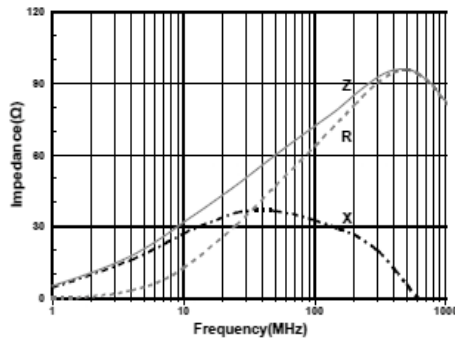
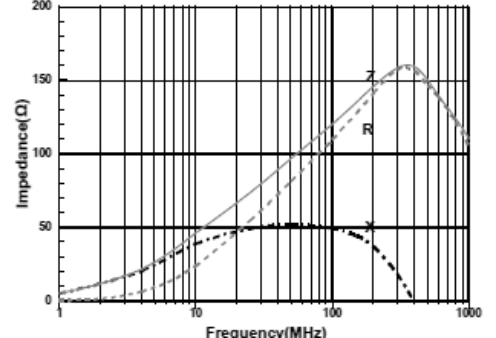


◆ Specifications

| Part Number | Impedance (Ω) | Test Freq. (MHz) | DCR Max. (Ω) | Rated Current (mA) |
|-----------------------|---------------|------------------|--------------|--------------------|
| SBH3216 Series | | | | |
| SBH3216S100WSP | 10±25% | 100 | 0.010 | 6000 |
| SBH3216S300WSP | 30±25% | 100 | 0.012 | 6000 |
| SBH3216S600USP | 60±25% | 100 | 0.015 | 5000 |
| SBH3216S750RSP | 75±25% | 100 | 0.020 | 4000 |
| SBH3216S900QSP | 90±25% | 100 | 0.025 | 3000 |
| SBH3216S121QSP | 120±25% | 100 | 0.030 | 3000 |
| SBH3216S181QSP | 180±25% | 100 | 0.037 | 3000 |
| SBH3216S221QSP | 220±25% | 100 | 0.040 | 3000 |
| SBH3216S301QSP | 300±25% | 100 | 0.040 | 3000 |
| SBH3216S601NSP | 600±25% | 100 | 0.100 | 2000 |
| SBH3216S102LSP | 1000±25% | 100 | 0.300 | 1000 |

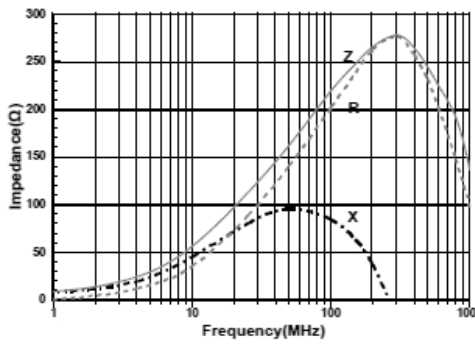
◆ General Technical Data

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

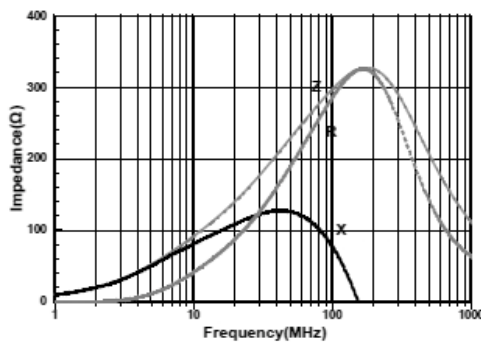
◆ Recommended Soldering Conditions

◆ Characteristics
SBH3216 TYPE
SBH3216S100WSP

SBH3216S300WSP

SBH3216S600USP

SBH3216S750RSP

SBH3216S900QSP

SBH3216S121QSP


◆ Characteristics

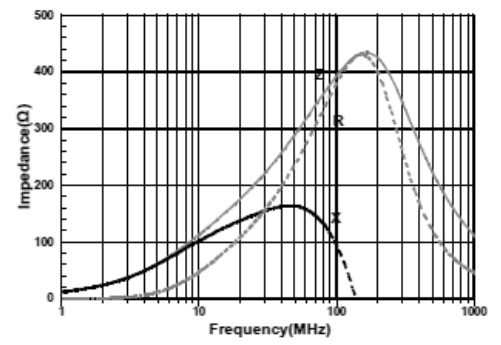
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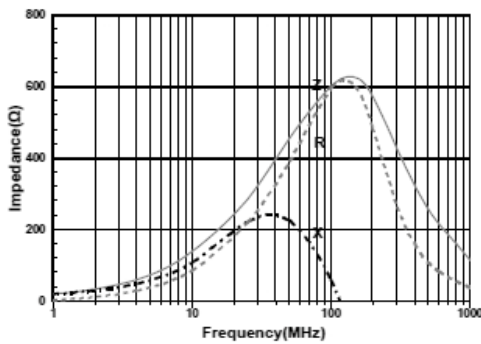
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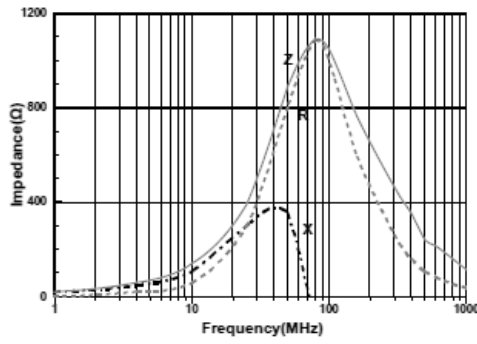
SBH3216S301QSP



SBH3216S601NSP



SBH3216S102LSP



◆ Packaging

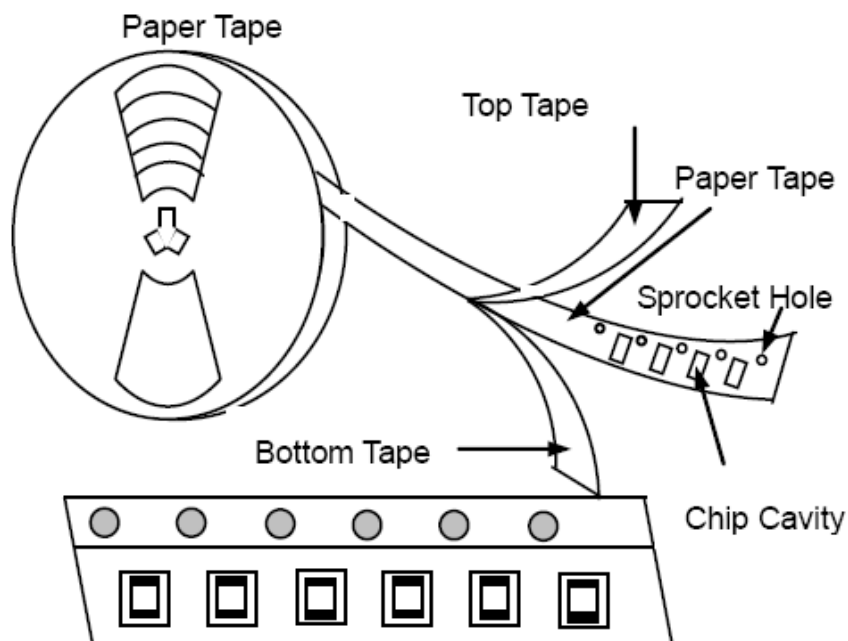
Tape Carrier Packaging:

Packaging code: T

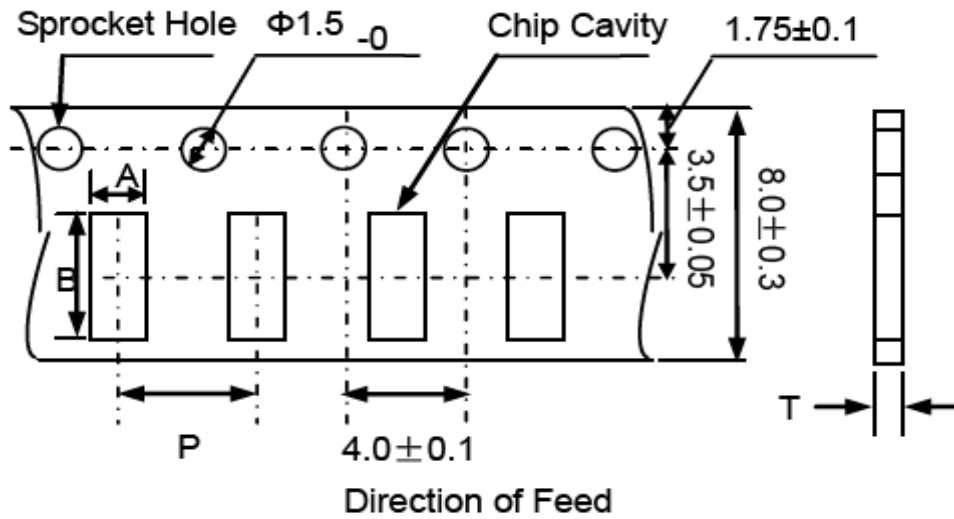
- a. Tape carrier packaging are specified in attached figure
- b. Tape carrier packaging quantity please see the following table

| | |
|-----------------|-------------------|
| Type | 3216(1206) |
| T(mm) | 0.9±0.1 |
| Tape | Paper Tape |
| Quantity | 4K |

(1) Taping Drawings (Unit: mm)



Remark: The sprocket holes are to the right as the tape is pulled toward the user.

(2) Taping Dimensions (Unit: mm)


Paper Tape

| Type | A | B | P | T max |
|------------|---------------|---------------|---------------|-------|
| 3216(1206) | 1.9 ± 0.2 | 3.5 ± 0.2 | 4.0 ± 0.2 | 0.8 |

3) Reel Dimensions (Unit: mm)
