

**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.

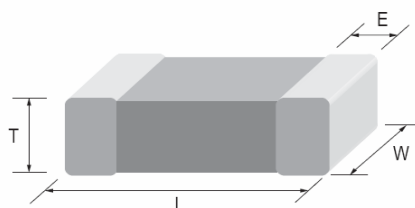
◆ **PRODUCT IDENTIFICATION**

**CMBH 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	1.10±0.20	0.50±0.30



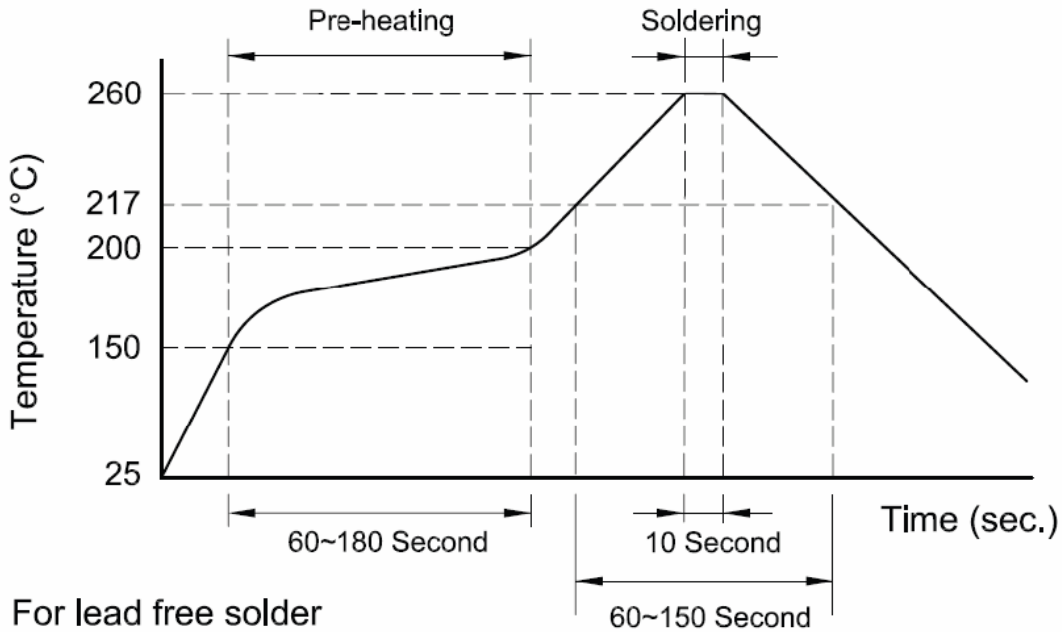
◆ Specifications

Part Number	Impedance (Ω)	Test Freq. (MHz)	DCR Max. (Ω)	Rated Current (mA)
<b>CMBH3216 Series</b>				
CMBH3216S300WSP	30±25%	100	0.010	6000
CMBH3216S600USP	60±25%	100	0.015	5000
CMBH3216S750RSP	75±25%	100	0.020	4000
CMBH3216S900QSP	90±25%	100	0.025	3000
CMBH3216S121QSP	120±25%	100	0.030	3000
CMBH3216S181QSP	180±25%	100	0.037	3000
CMBH3216S221QSP	220±25%	100	0.040	3000
CMBH3216S301QSP	300±25%	100	0.040	3000
CMBH3216S601NSP	600±25%	100	0.100	2000
CMBH3216S102LSP	1000±25%	100	0.300	1000

◆ 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

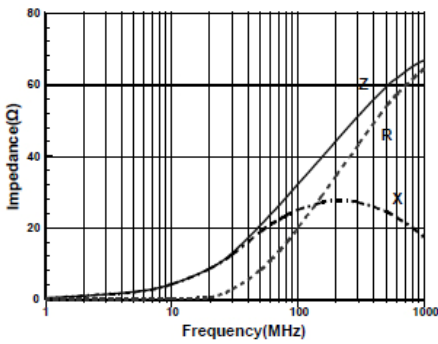
◆ Recommended Soldering Conditions



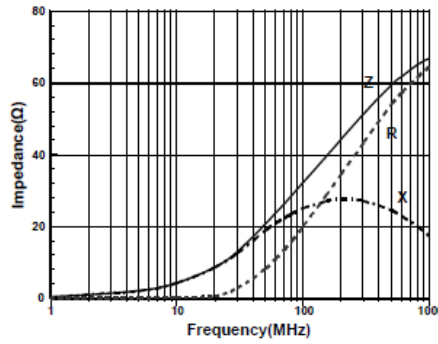
◆ Characteristics

**CMBH3216 TYPE**

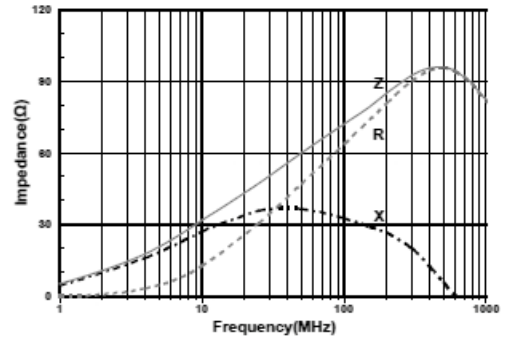
CMBH3216S300WSP



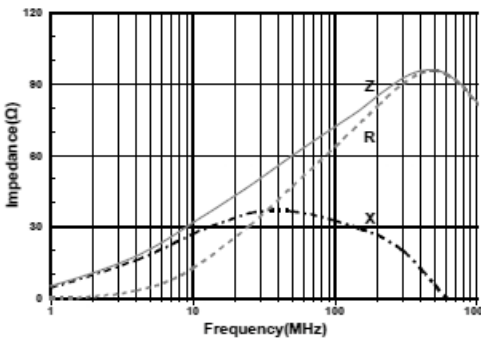
CMBH3216S600USP



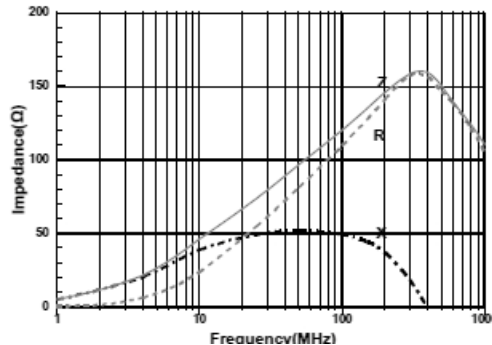
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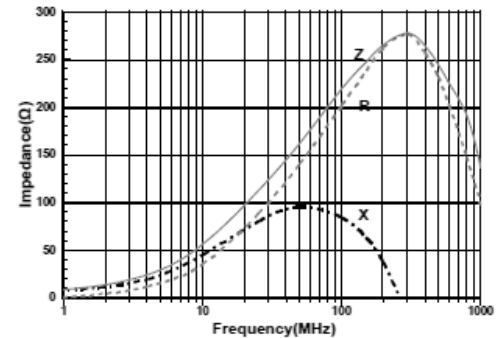
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CMBH3216S121QSP

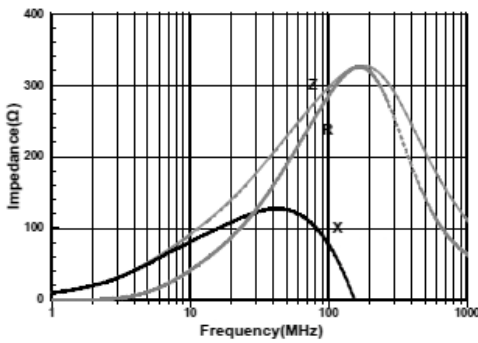


CMBH3216S181QSP

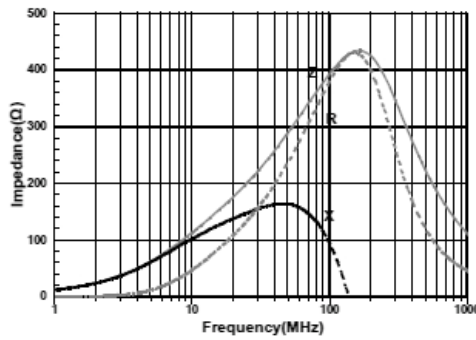


### ◆ Characteristics

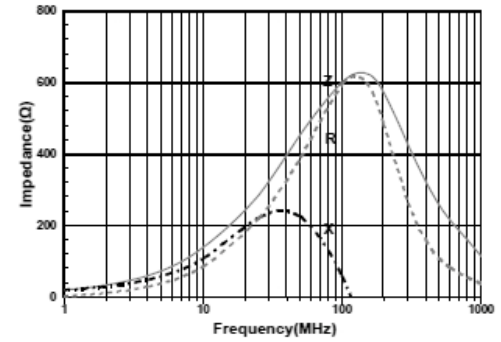
CMBH3216S221QSP



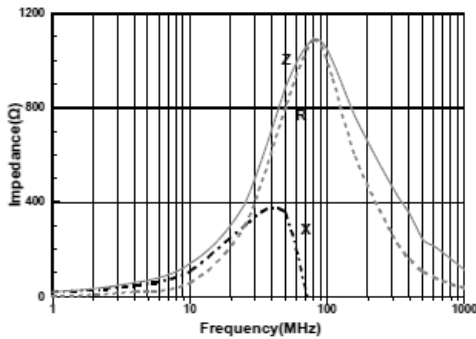
CMBH3216S301QSP



CMBH3216S601NSP



CMBH3216S102LSP



### ◆ 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

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