

**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.

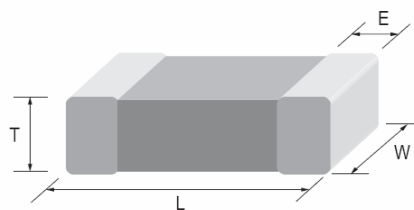
◆ **PRODUCT IDENTIFICATION**

**CMBH 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



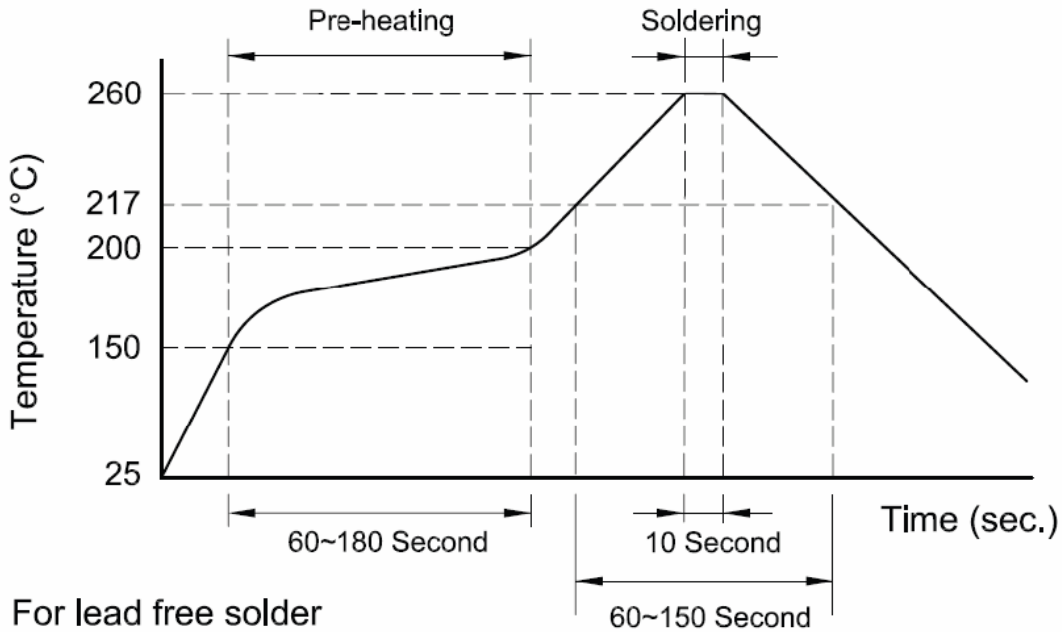
◆ Specifications

Part Number	Impedance (Ω)	Test Freq. (MHz)	DCR Max. (Ω)	Rated Current (mA)
<b>CMBH2012 Series</b>				
CMBH2012S110USP	11±25%	100	0.015	5000
CMBH2012S300USP	30±25%	100	0.030	5000
CMBH2012S600RSP	60±25%	100	0.035	4000
CMBH2012S800RSP	80±25%	100	0.039	4000
CMBH2012S900QSP	90±25%	100	0.040	3000
CMBH2012S101QSP	100±25%	100	0.042	3000
CMBH2012S121QSP	120±25%	100	0.055	3000
CMBH2012S151QSP	150±25%	100	0.057	3000
CMBH2012S181QSP	180±25%	100	0.060	3000
CMBH2012S221QSP	220±25%	100	0.075	3000
CMBH2012S301NSP	300±25%	100	0.080	2000
CMBH2012S331NSP	330±25%	100	0.085	2000
CMBH2012S601NSP	600±25%	100	0.090	2000
CMBH2012S102LSP	1000±25%	100	0.120	1000

◆ General Technical Data

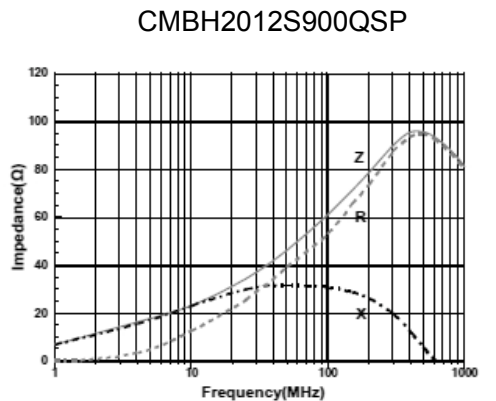
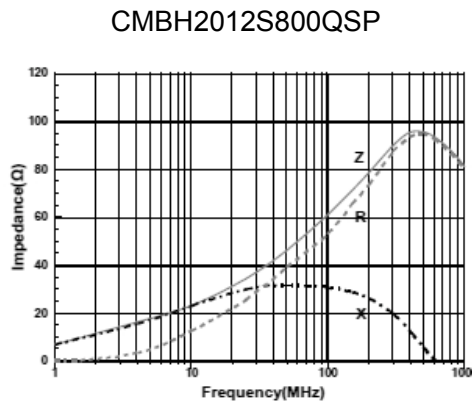
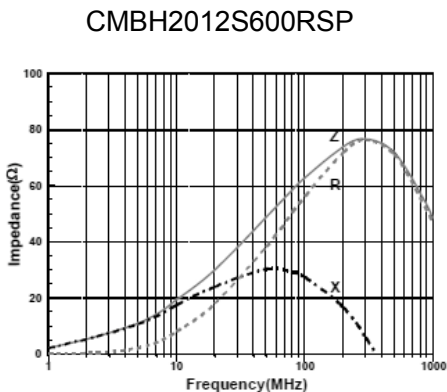
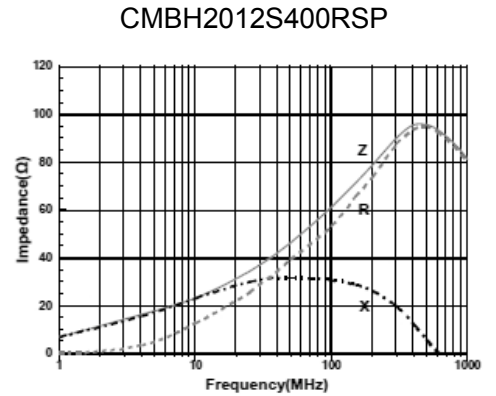
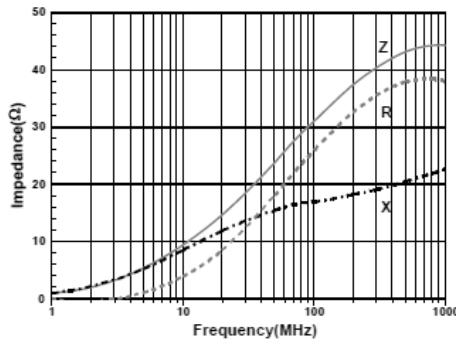
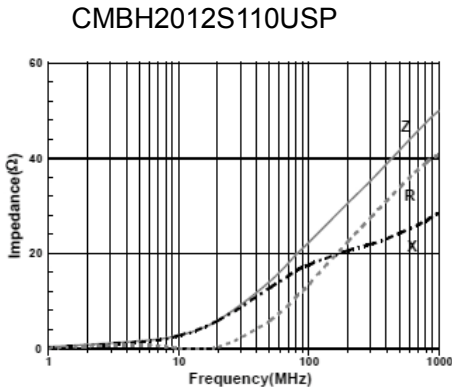
<b>Operating Temperature Range</b>	-55°C ~ +125°C
<b>Storage Condition</b>	Less than 40°C and 70% RH
<b>Soldering Method</b>	Reflow or Wave Soldering

◆ Recommended Soldering Conditions



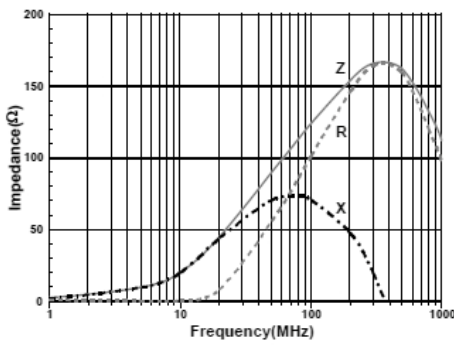
◆ Characteristics

**CMBH2012 TYPE**  
CMBH2012S300USP

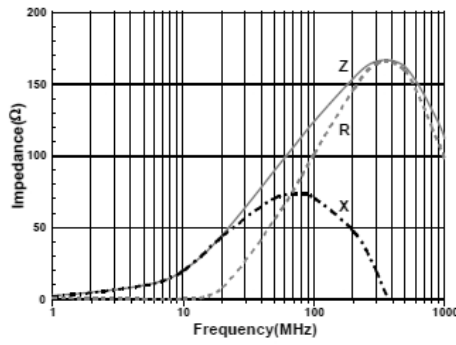


**CMBH2012 TYPE**

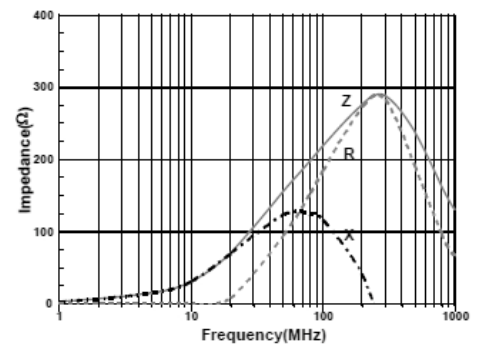
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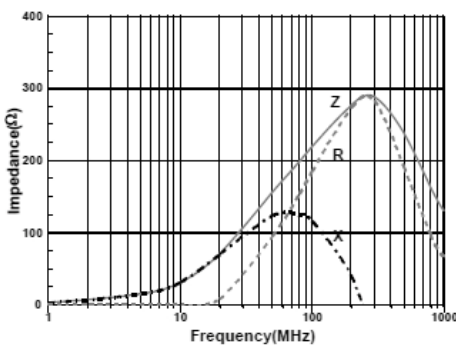
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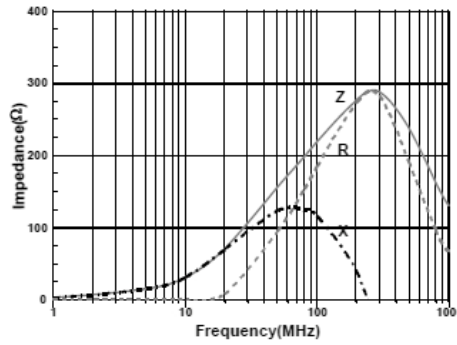
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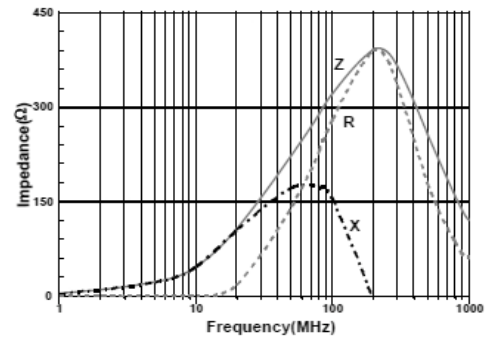
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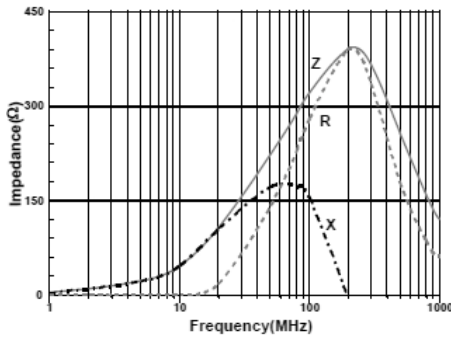
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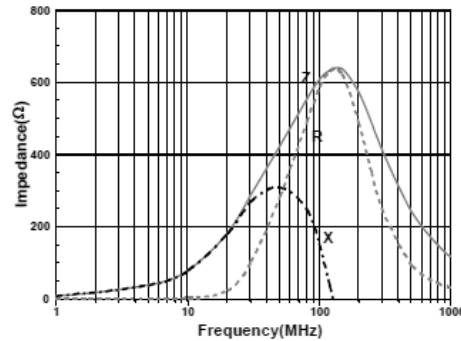
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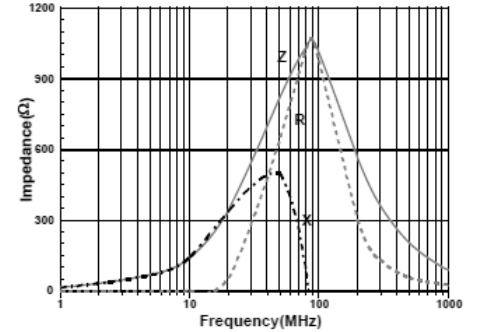
CMBH2012S331PSP



CMBH2012S601LSP



CMBH2012S102JSP



◆ **Packaging**

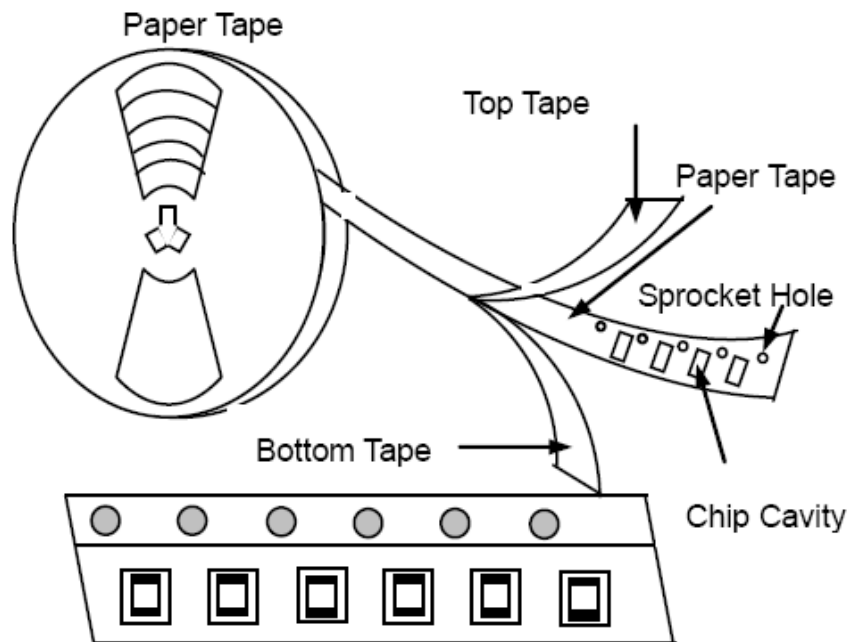
Tape Carrier Packaging:

Packaging code: T

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

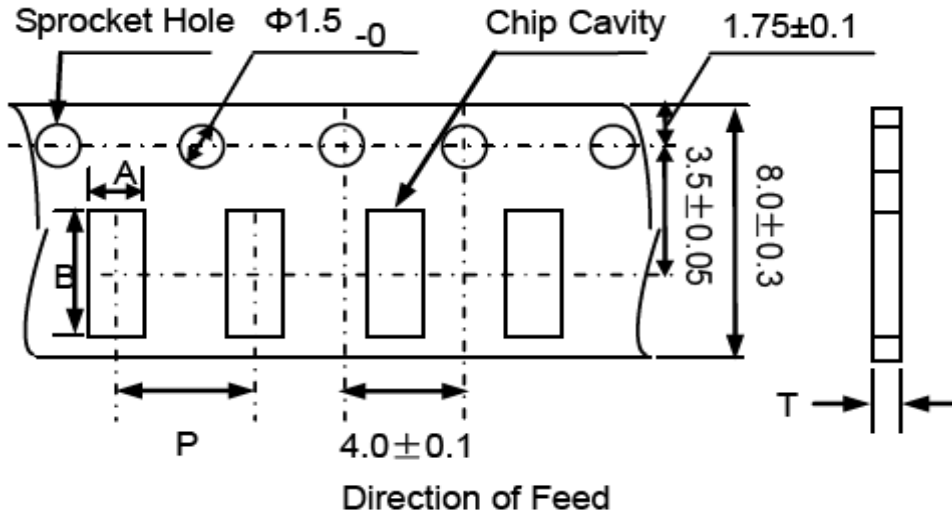
<b>Type</b>	<b>2012(0805)</b>
<b>T(mm)</b>	<b>0.9±0.1</b>
<b>Tape</b>	<b>Paper Tape</b>
<b>Quantity</b>	<b>4K</b>

(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
2012(0805)	$1.6 \pm 0.1$	$2.3 \pm 0.1$	$4.0 \pm 0.1$	0.8

(3) Reel Dimensions (Unit: mm)

