

**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.

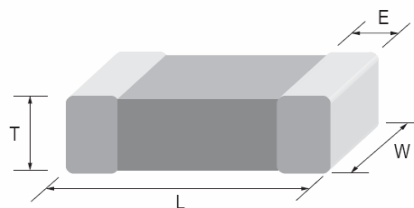
◆ **PRODUCT IDENTIFICATION**

**CMBH 1005 S 121 N 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
1005 (0402)	1.00±0.10	0.50±0.10	0.50±0.10	0.250±0.10



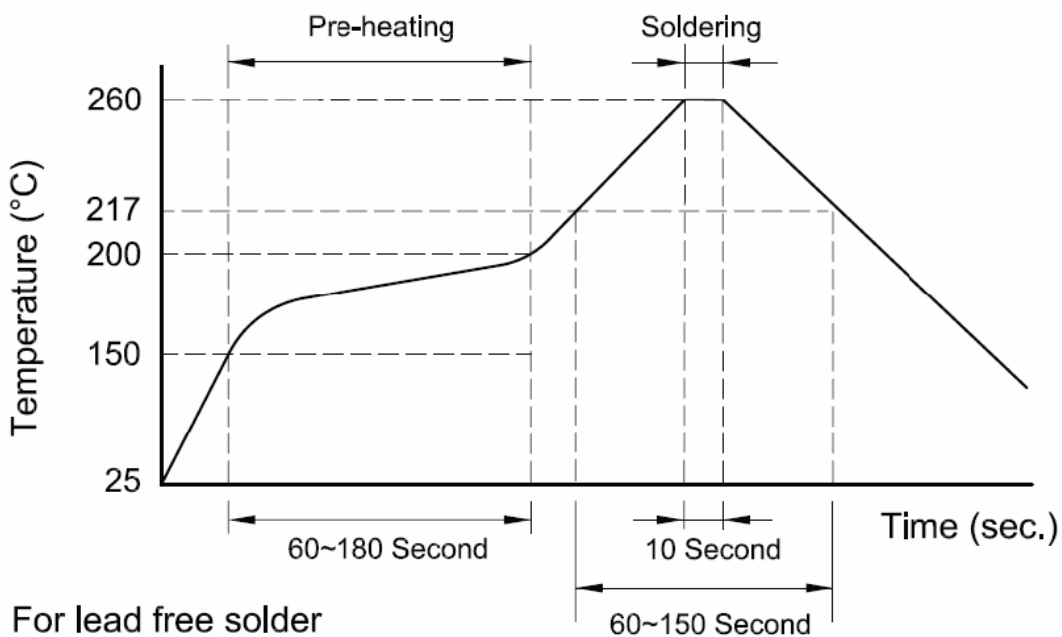
◆ Specifications

Part Number	Impedance (Ω)	Test Freq. (MHz)	DCR Max. (Ω)	Rated Current (mA)
<b>CMBH1005S Series</b>				
CMBH1005S100NSP	10±25%	100	0.050	2000
CMBH1005S300NSP	30±25%	100	0.060	2000
CMBH1005S600NSP	60±25%	100	0.070	2000
CMBH1005S101NSP	100±25%	100	0.095	2000
CMBH1005S121NSP	120±25%	100	0.095	2000
CMBH1005S221MSP	220±25%	100	0.130	1500

◆ 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

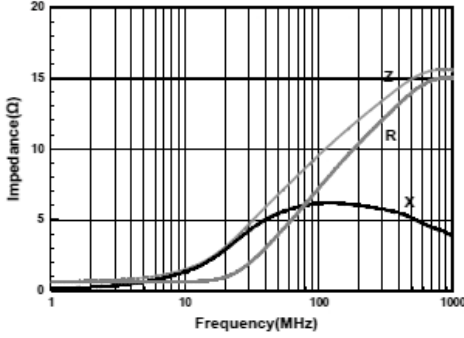
◆ Recommended Soldering Conditions



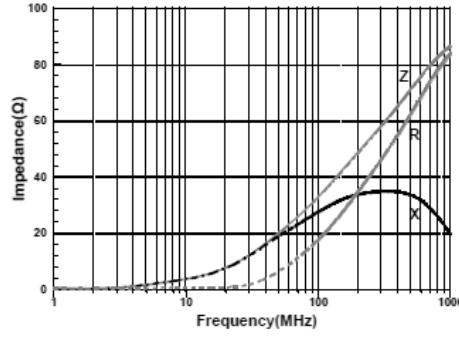
◆ Characteristics

### CMBH1005S Series

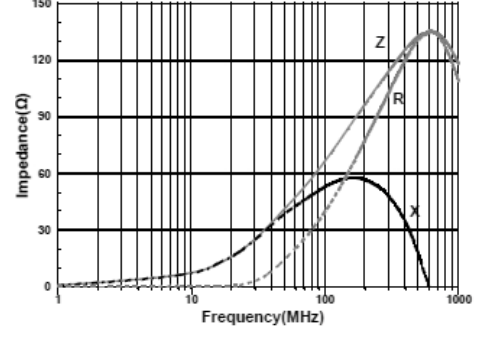
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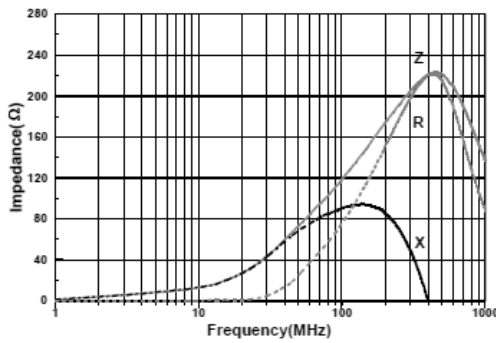
CMBH1005S300NSP



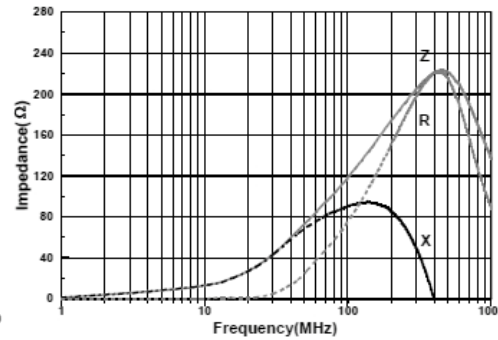
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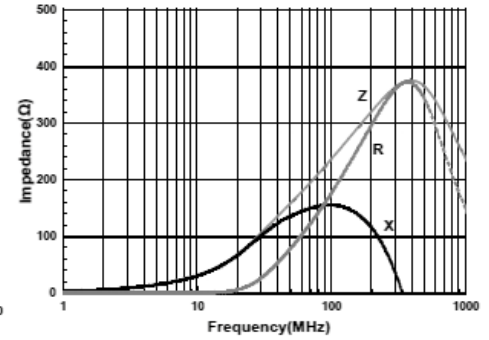
CMBH1005S101NSP



CMBH1005S121NSP



CMBH1005S221MSP



◆ 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