

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.

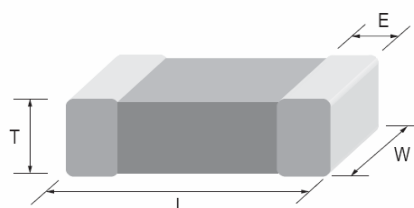
◆ **PRODUCT IDENTIFICATION**

CMBH 1608 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 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
1608(0603)	1.60±0.15	0.80±0.15	0.80±0.15	0.30±0.20



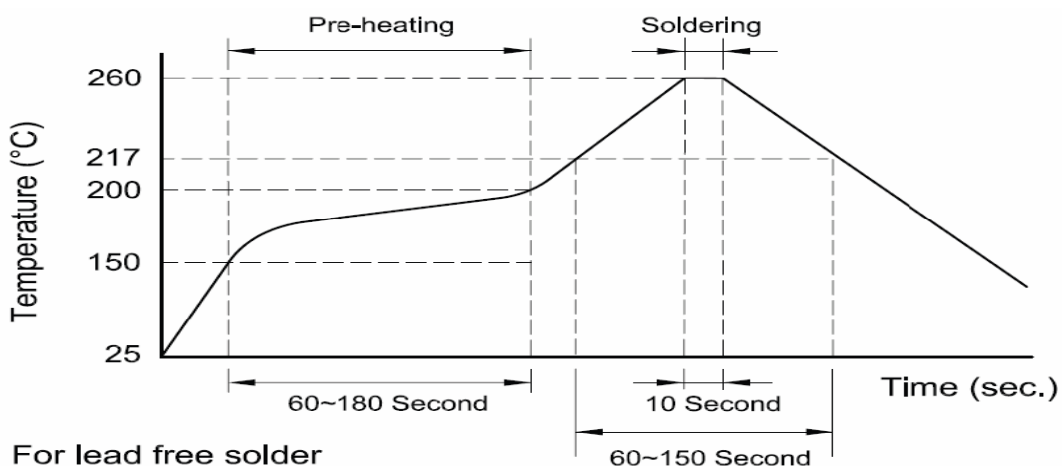
◆ Specifications

Part Number	Impedance (Ω)	Test Freq. (MHz)	DCR Max. (Ω)	Rated Current (mA)
CMBH1608S Series				
CMBH1608S100QSP	10±25%	100	0.040	3000
CMBH1608S300QSP	30±25%	100	0.040	3000
CMBH1608S600QSP	60±25%	100	0.040	3000
CMBH1608S900QSP	90±25%	100	0.040	3000
CMBH1608S121QSP	120±25%	100	0.070	3000
CMBH1608S181NSP	180±25%	100	0.080	2000
CMBH1608S221NSP	220±25%	100	0.090	2000
CMBH1608S331MSP	330±25%	100	0.110	1500
CMBH1608S471LSP	470±25%	100	0.150	1000
CMBH1608S601LSP	600±25%	100	0.200	1000
CMBH1608S102LSP	1000±25%	100	0.300	1000
CMBH1608S152FSP	1500±25%	100	0.400	500

◆ 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

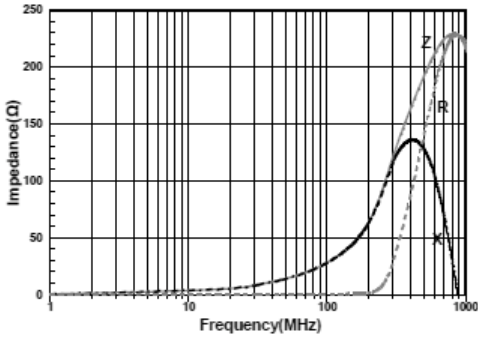
◆ Recommended Soldering Conditions



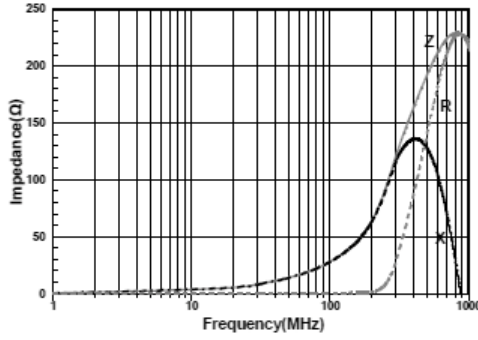
◆ Characteristics

CMBH1608S TYPE

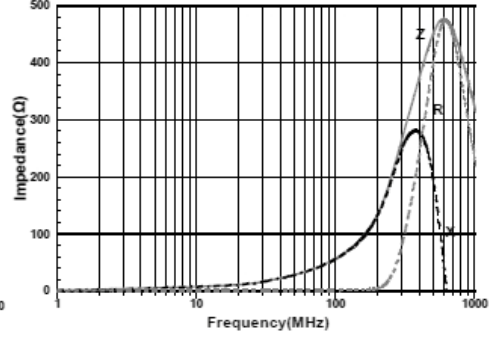
CMBH1608S100QSP



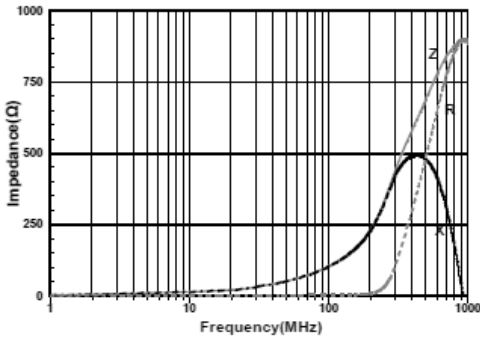
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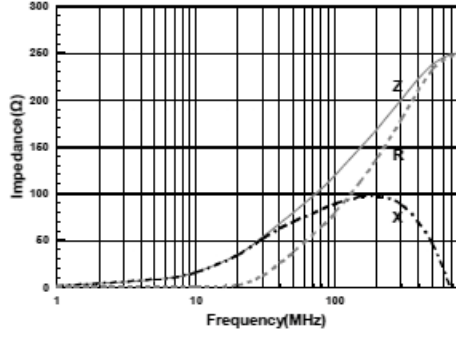
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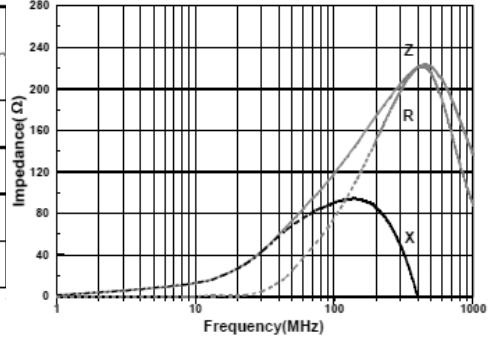
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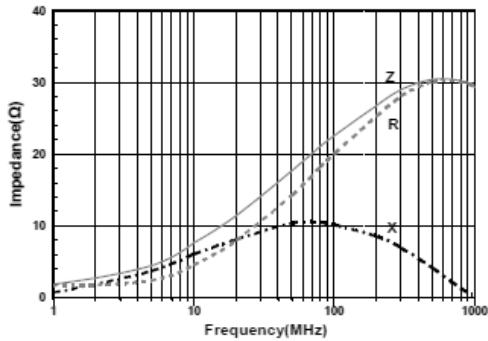
MBH1608S121NSP



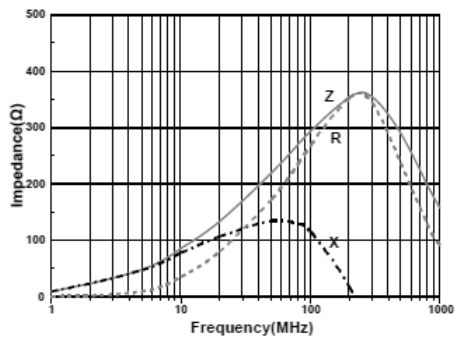
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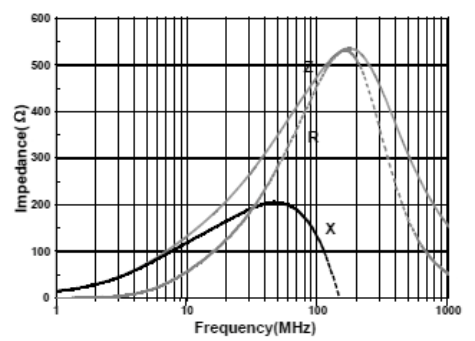
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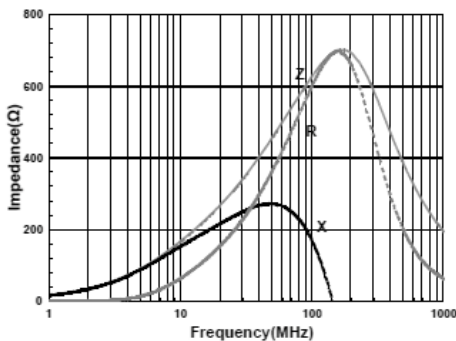
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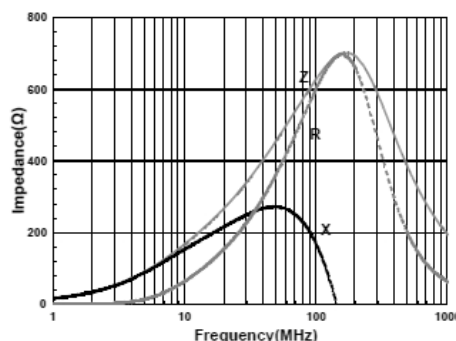
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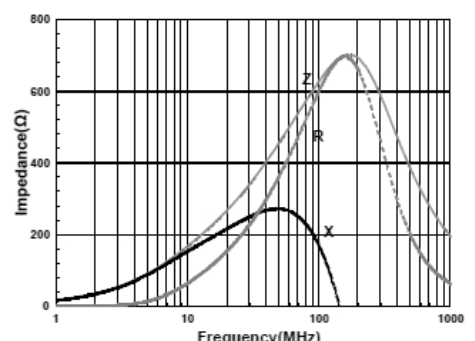
CMBH1608S601LSP



CMBH1608S102LSP



CMBH1608S152FSP



◆ Packaging

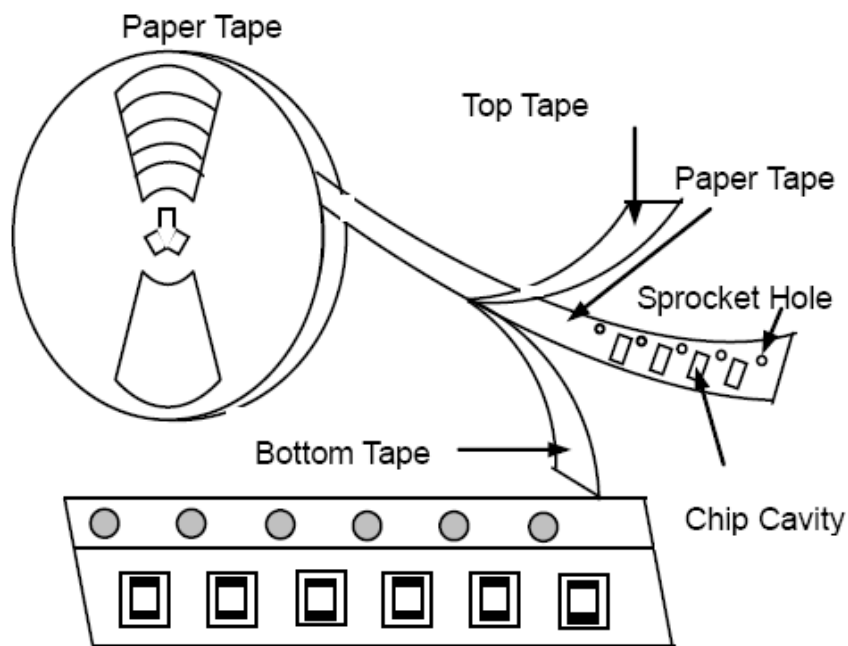
Tape Carrier Packaging:

Packaging code: T

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

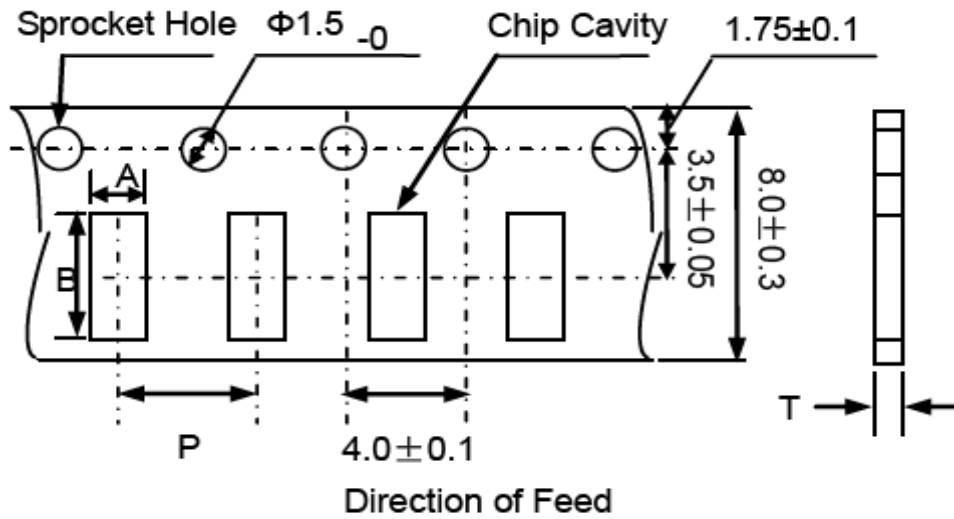
Type	1608[0603]
T(mm)	0.9±0.10
Tape	Paper Tape
Quantity	4K

(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
1608(0603)	1.0 ± 0.2	1.8 ± 0.2	4.0 ± 0.1	1.1

(3) Reel Dimensions (Unit: mm)

