

Multilayer Chip Ferrite Bead



◆ **Features**

- 1、 Internal silver printed layers and magnetic shielded structures to minimize crosstalk
- 2、 It has sharp impedance characteristics at desirable frequency and does not affect the signal frequency
- 3、 SMD Type & suitable for reflow and wave soldering
- 4、 Four types material and wide range of impedance values for various applications
- 5、 Excellent solderability and heat resistance
- 6、 RoHS Compliant.



◆ **Application**

Filtering between analog and digital circuitry, clock Generation circuitry, I/O interconnects, isolation between RF noisy circuits and logic devices susceptible to functional degradation, power supply filtering to prevent conducted RF energy from corrupting the power generation circuitry, high frequency EMI prevention of computer, printers, VCRs, TVs and portable telephones.

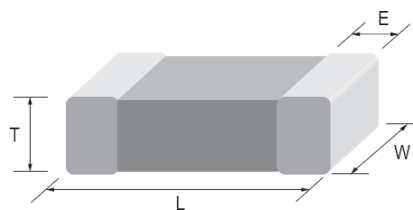
◆ **PRODUCT IDENTIFICATION**

CMBM 0603 G 601 D 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:601=600Ω;
102=1000Ω
- (5) Rated Curren: A=50mA; B=100mA;C=150mA;
D=200mA;E=300mA;F=400mA;
G=500mA;H=600mA;I=700mA;
J=800mA;K=900mA;L=1000mA.
- (6) Company Code
- (7) Packaging: E- Embossed plastic tape, 7" reel
P – Embossed paper tape, 7" reel

◆ **Dimensions** Unit: mm

Size(EIA)	L	W	T	E
0603(0201)	0.60±0.03	0.30±0.03	0.30±0.03	0.15±0.05



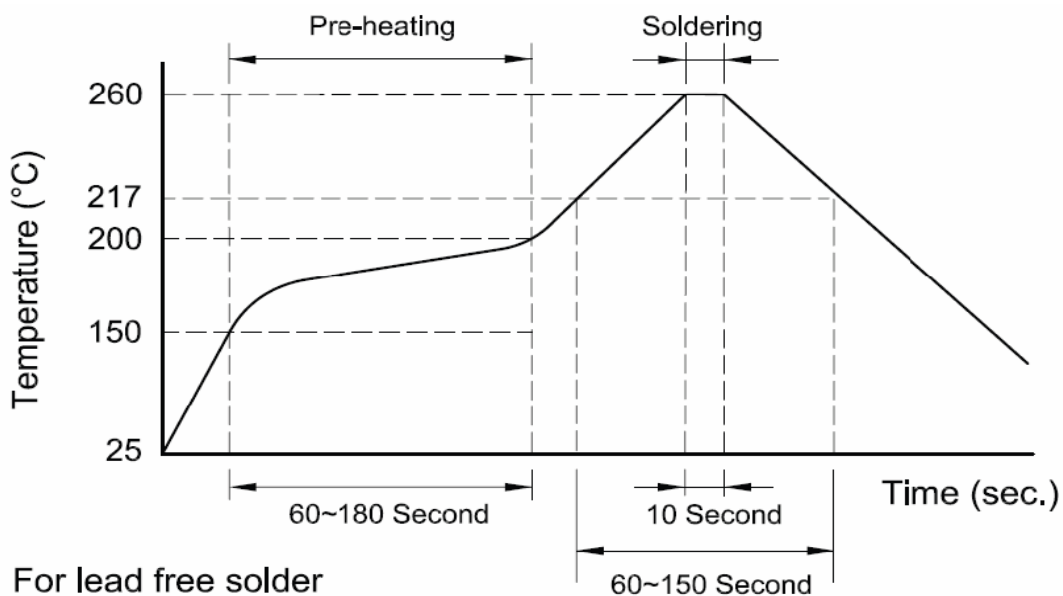
◆ Specification

Part Number	Impedance (Ω)	Test Frequency (MHz)	DCR Max. (Ω)	Rated Current (mA)
CMBM0603 Series				
CMBM0603G100ESP	10±25%	100	0.25	300
CMBM0603G220ESP	22±25%	100	0.35	300
CMBM0603G330ESP	33±25%	100	0.45	300
CMBM0603G600ESP	60±25%	100	0.55	300
CMBM0603G800ESP	80±25%	100	0.60	300
CMBM0603G121DSP	120±25%	100	0.70	200
CMBM0603G221DSP	220±25%	100	0.85	200
CMBM0603G601DSP	600±25%	100	1.70	200
CMBM0603G102DSP	1000±25%	100	2.00	200

◆ 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

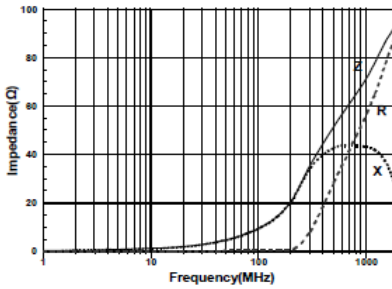
◆ Recommended Soldering Conditions



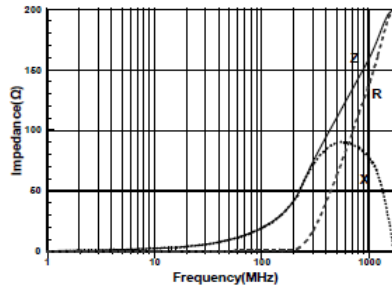
◆ Characteristics

CMBM0603G TYPE

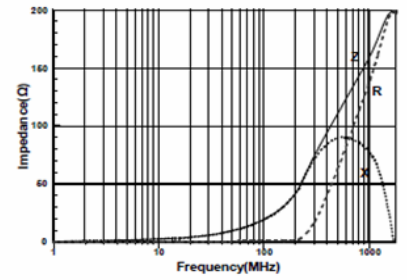
CMBM0603G100ESP



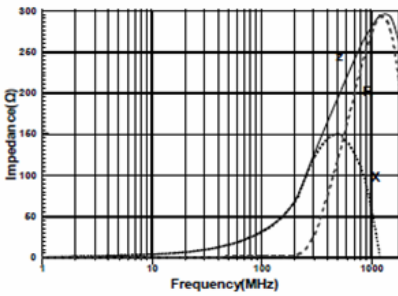
CMBM0603G220ESP



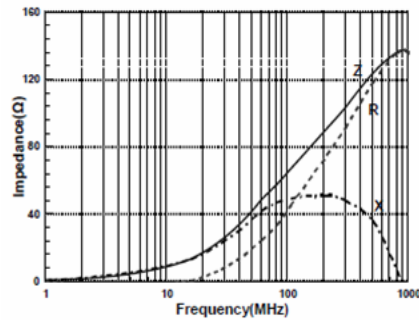
CMBM0603G330ESP



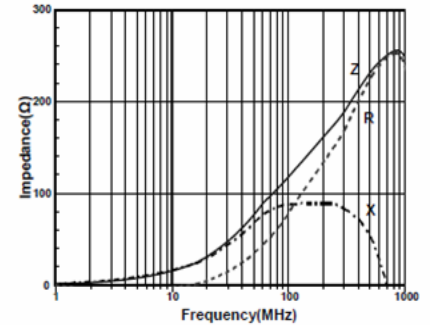
CMBM0603G600ESP



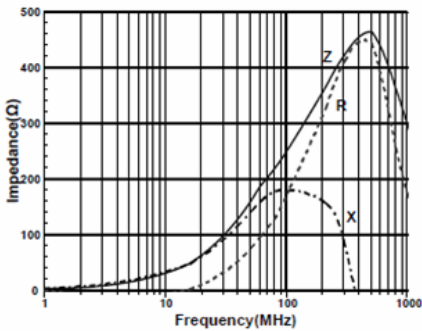
CMBM0603G800ESP



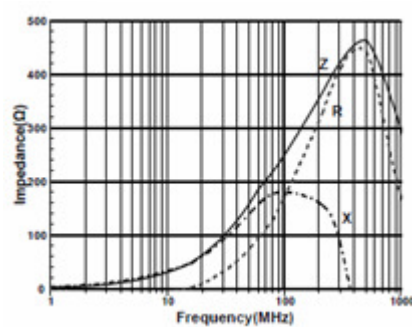
CMBM0603G121DSP



CMBM0603G601DSP



CMBM0603G102DSP



◆ **Packaging**

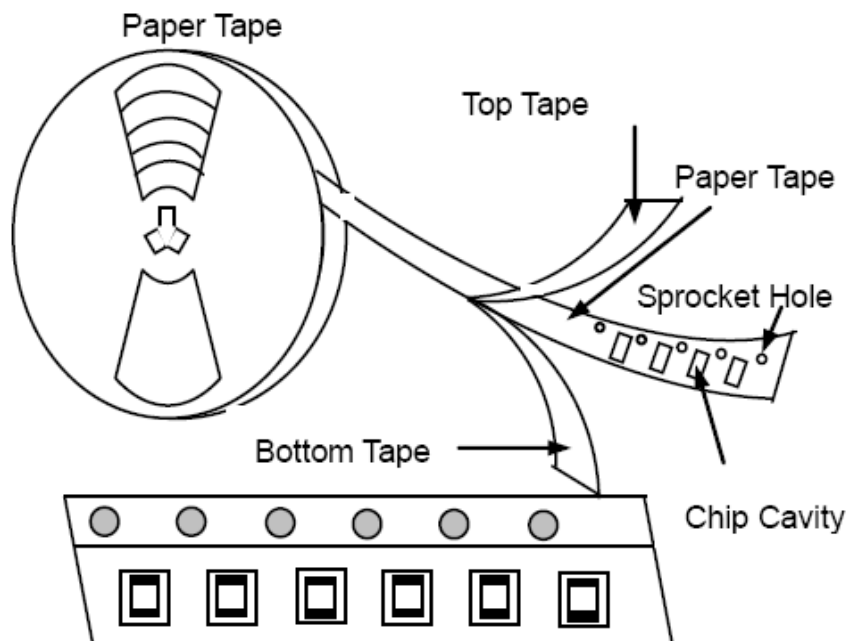
Tape Carrier Packaging:

Packaging code: T

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

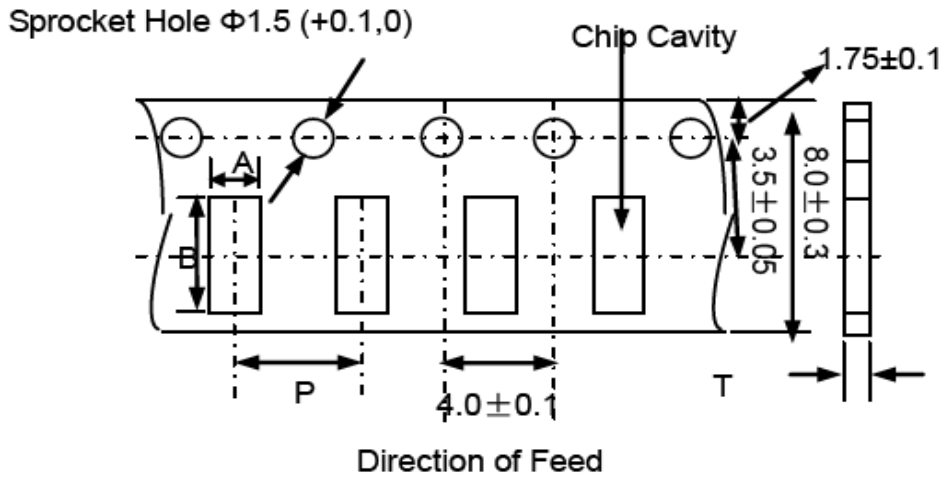
Type	0603[0201]
T(mm)	0.3±0.15
Tape	Paper Tape
Quantity	15K

(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
0603[0201]	0.40 ± 0.1	0.70 ± 0.1	2.0 ± 0.1	0.55

(3) Reel Dimensions (Unit: mm)

