



**THE DATASHEET OF  
CIM05J121NC**



# Chip Bead For EMI Suppression

## CIB/CIM05 Series (1005/ EIA 0402)



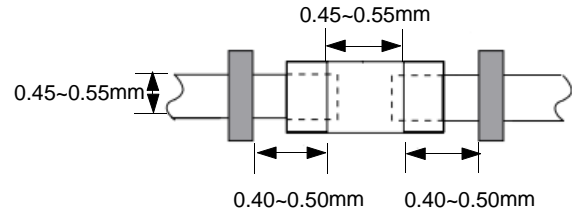
### APPLICATION

High frequency EMI prevention application to computers, printers, VCRs, TVs and mobile phones.

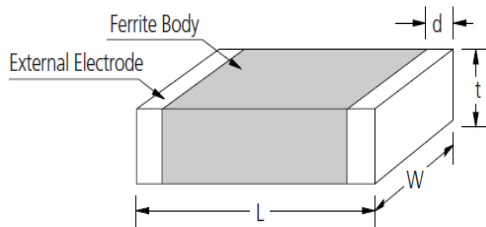
### FEATURES

- Perfect shape for automatic mounting, with no directionality.
- Excellent solderability and high heat resistance for either flow or reflow soldering
- Monolithic inorganic material construction for high reliability
- Closed magnetic circuit configuration avoids crosstalk and is suitable for high density PCBs.

### RECOMMENDED LAND PATTERN



### DIMENSION



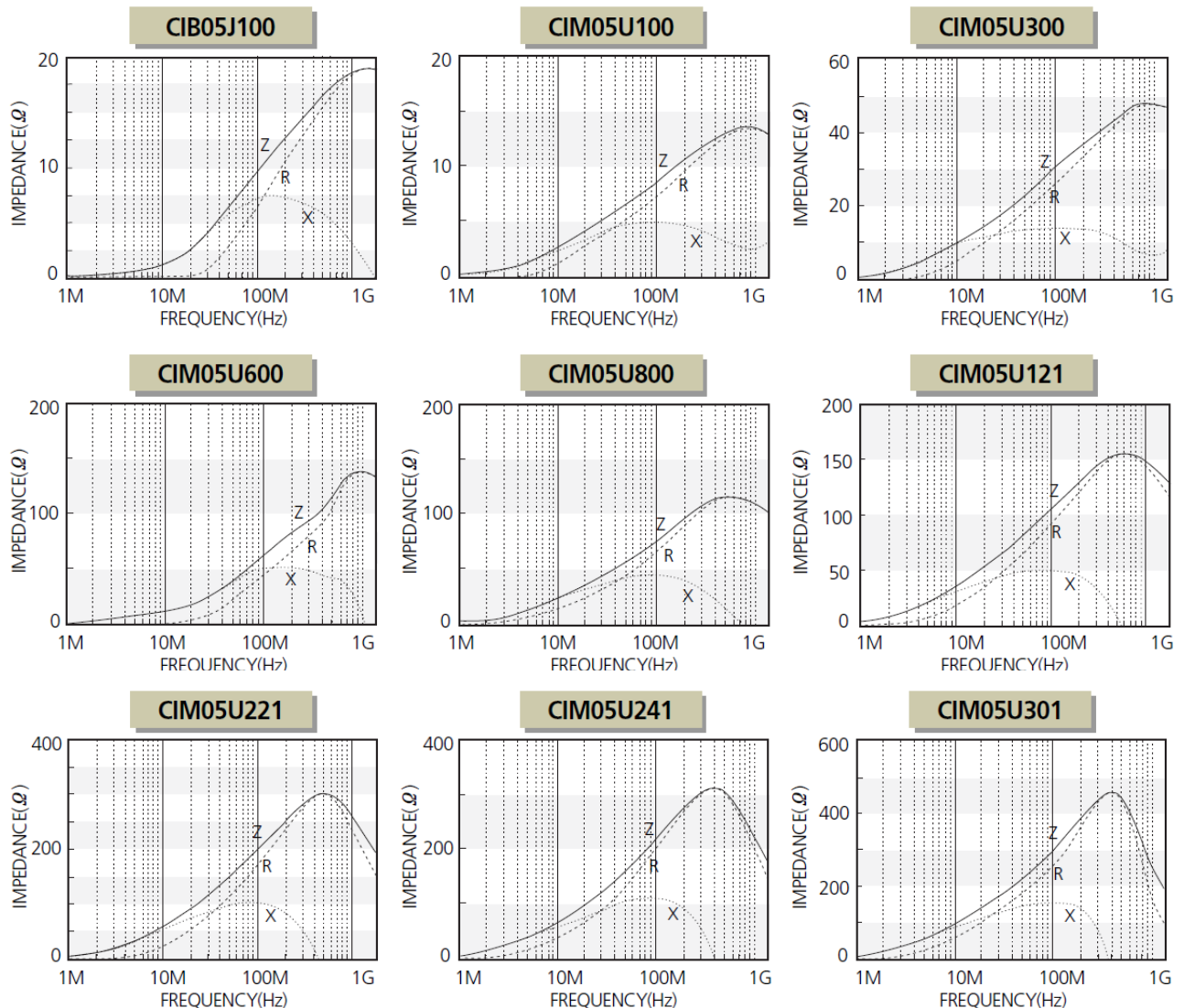
Type	Dimension [mm]			
	L	W	t	d
05	1.0±0.05	0.5±0.05	0.5±0.05	0.25±0.1

### DESCRIPTION

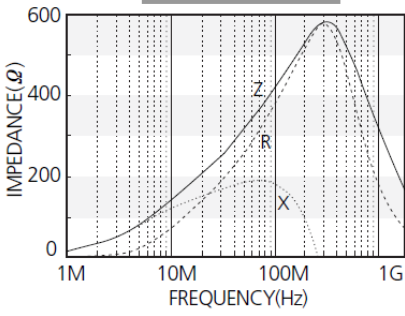
Part no.	Thickness (mm)	Impedance (Ω)±25%@100MHz	DC Resistance (Ω) Max.	Rated Current (mA) Max.
CIB05J100	0.5±0.05	10	0.05	1200
CIM05U100	0.5±0.05	10	0.05	1200
CIM05U300	0.5±0.05	30	0.10	700
CIM05U600	0.5±0.05	60	0.15	600
CIM05U800	0.5±0.05	80	0.20	600
CIM05U121	0.5±0.05	120	0.25	600
CIM05U221	0.5±0.05	220	0.35	500
CIM05U241	0.5±0.05	240	0.35	400
CIM05U301	0.5±0.05	300	0.45	400
CIM05U471	0.5±0.05	470	0.55	300
CIM05U601	0.5±0.05	600	0.60	300
CIM05U102	0.5±0.05	1000	0.80	300
CIM05J300	0.5±0.05	30	0.20	700
CIM05J600	0.5±0.05	60	0.20	650
CIM05J800	0.5±0.05	80	0.25	600
CIM05J121	0.5±0.05	120	0.25	500
CIM05J221	0.5±0.05	220	0.35	400
CIM05J241	0.5±0.05	240	0.35	400
CIM05J301	0.5±0.05	300	0.45	400
CIM05J471	0.5±0.05	470	0.55	300
CIM05J601	0.5±0.05	600	0.60	300

Part no.	Thickness (mm)	Impedance ( $\Omega$ ) $\pm$ 25%@100MHz	DC Resistance ( $\Omega$ ) Max.	Rated Current (mA) Max.
CIM05J102	0.5 $\pm$ 0.05	1000	0.80	250
CIM05J152	0.5 $\pm$ 0.05	1500	1.00	250
CIM05J182	0.5 $\pm$ 0.05	1800	1.40	200
CIM05N750	0.5 $\pm$ 0.05	75	0.35	300
CIM05N121	0.5 $\pm$ 0.05	120	0.55	300
CIM05N221	0.5 $\pm$ 0.05	220	0.80	200
CIM05F050	0.5 $\pm$ 0.05	5	0.08	500
CIM05F100	0.5 $\pm$ 0.05	10	0.10	300
CIM05F220	0.5 $\pm$ 0.05	22	0.20	300
CIM05F470	0.5 $\pm$ 0.05	47	0.35	300
CIM05F750	0.5 $\pm$ 0.05	75	0.40	300
CIM05F121	0.5 $\pm$ 0.05	120	0.55	300
CIM05F221	0.5 $\pm$ 0.05	220	0.80	200
CIM05H800	0.5 $\pm$ 0.05	80	0.20	450
CIM05H121	0.5 $\pm$ 0.05	120	0.25	400
CIM05H601	0.5 $\pm$ 0.05	600	0.80	200

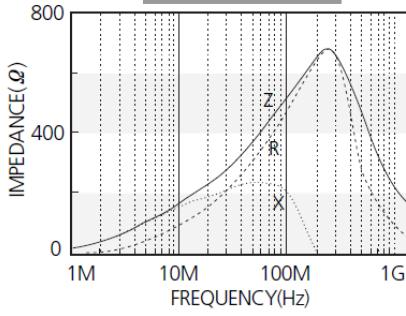
CHARACTERISTIC DATA



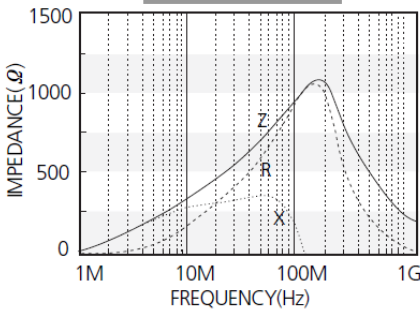
**CIM05U471**



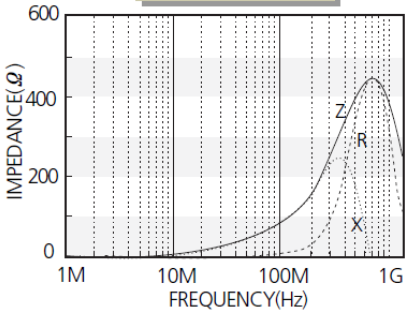
**CIM05U601**



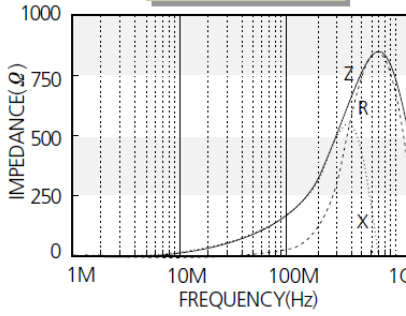
**CIM05U102**



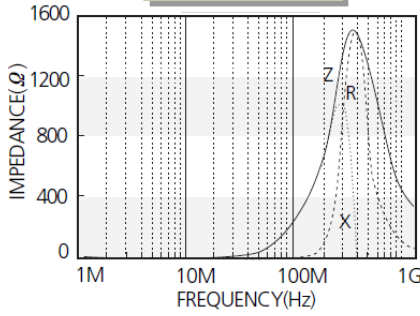
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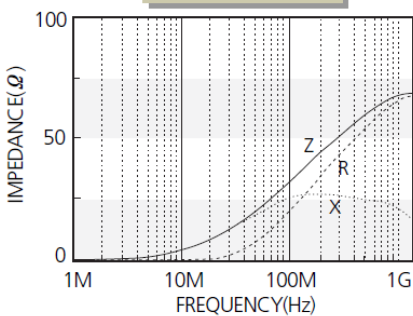
**CIM05N121**



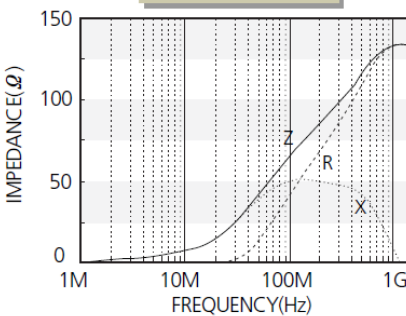
**CIM05N221**



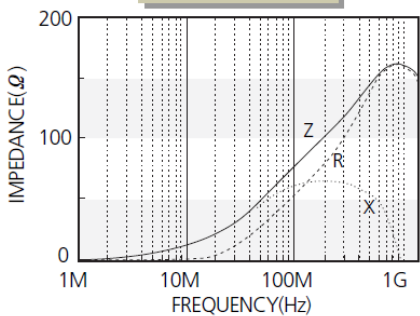
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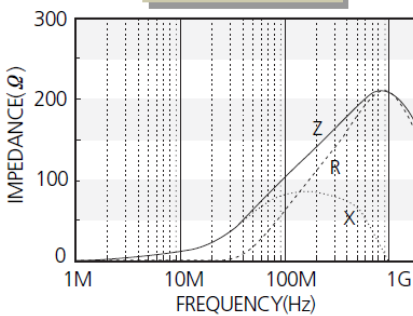
**CIM05J600**



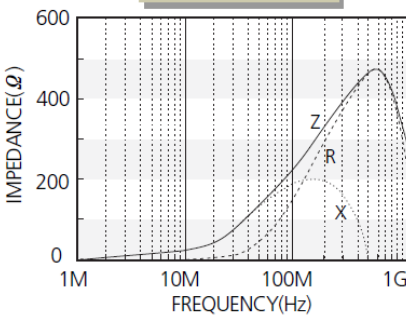
**CIM05J800**



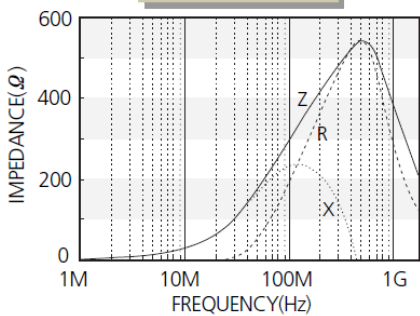
**CIM05J121**



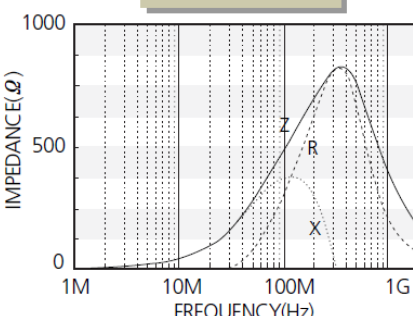
**CIM05J241**



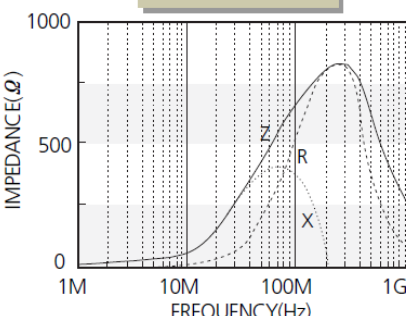
**CIM05J301**



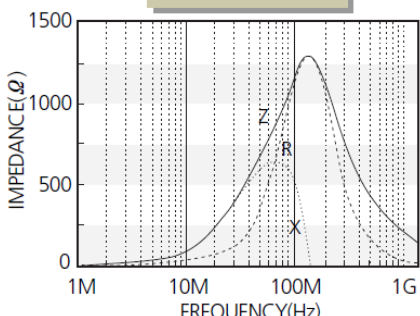
**CIM05J471**



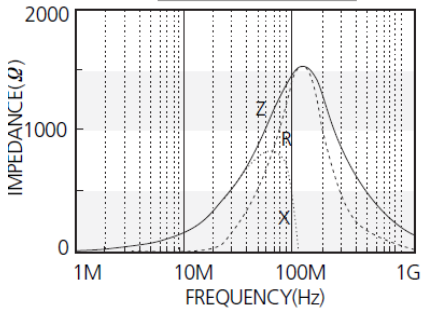
**CIM05J601**



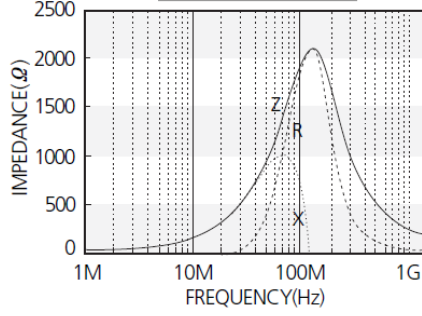
**CIM05J102**



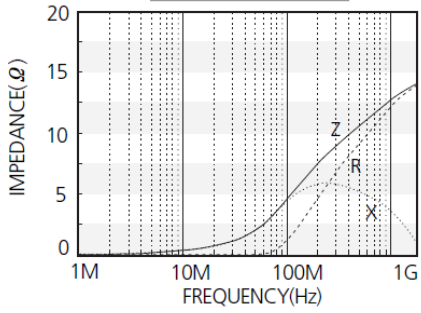
**CIM05J152**



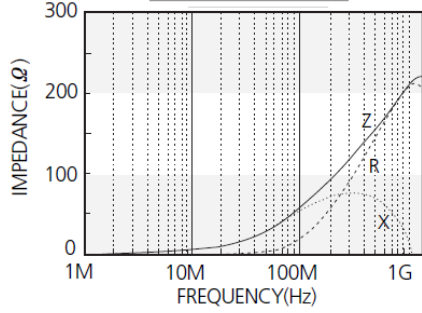
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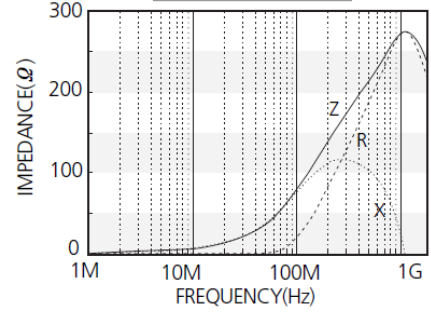
**CIM05F050**



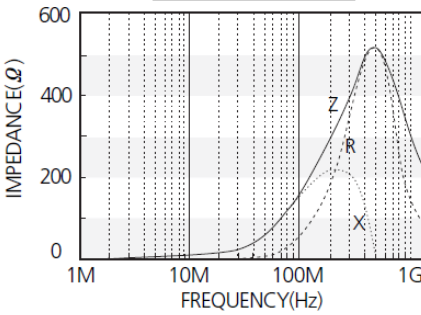
**CIM05F470**



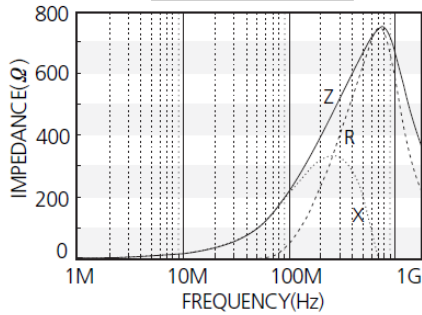
**CIM05F750**



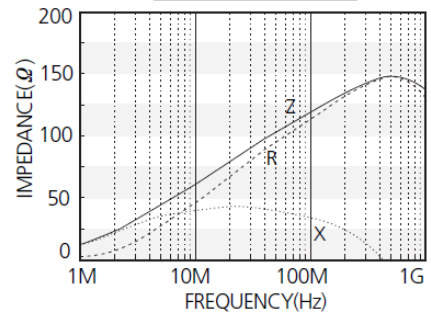
**CIM05F121**



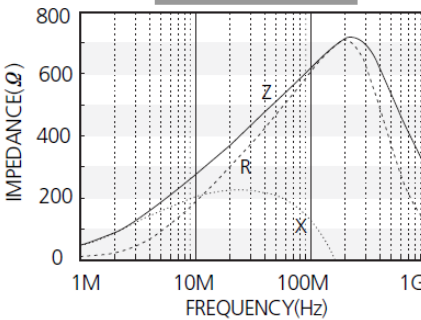
**CIM05F221**



**CIM05H121**



**CIM05H601**



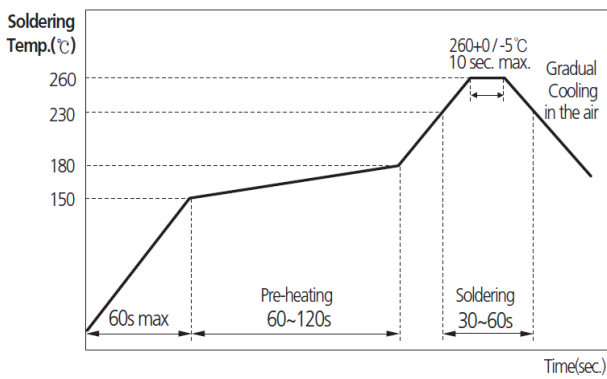
**PRODUCT IDENTIFICATION**

**CI M 05 U 121 N C**  
**(1) (2) (3) (4) (5) (6) (7)**

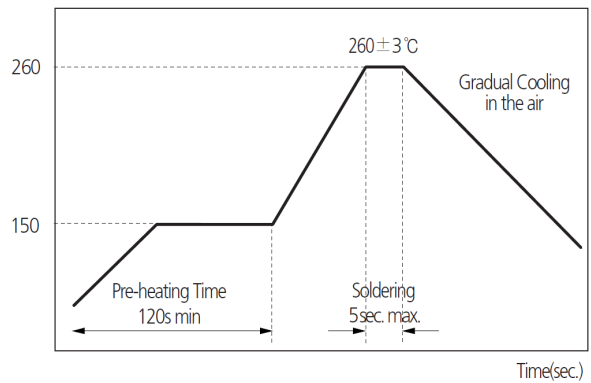
- (1) Chip Beads
- (2) M: Multi-layer type B:Mono-layer type
- (3) Dimension
- (4) Material Code
- (5) Nominal impedance (100:10Ω, 121:120Ω )
- (6) Thickness option(N:Standard, A:Thinner than standard, B:Thicker than standard)
- (7) Packaging(C:paper tape, E:embossed tape)

**RECOMMENDED SOLDERING CONDITION**

**REFLOW SOLDERING**




**FLOW SOLDERING**



**PACKAGING**

Packaging Style	Quantity(pcs/reel)
Card Board Taping	10,000

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The data sheets include the typical data for design reference only. If there is any question regarding the data sheets, please contact our sales personnel or application engineers.

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