

# EMC Components

## Ferrite Beads SMD Array

## MZA Series MZA2010 Type

Size: JIS/IEC 2010, EIA 0804

### FEATURES

- A single MZA series chip provides noise attenuation for four lines, making it ideal for use with I/O lines of various highly miniaturized.
- Electronic equipment, such as portable products, which comprise high density circuitry.
- Low crosstalk between adjacent circuits.
- Internal electrodes feature low DC resistance, minimizing wasteful power consumption.
- Electroplated terminal electrodes accommodate both flow and reflow solderings.
- Monolithic structure ensures high reliability.
- It is a product conforming to RoHS directive.

### APPLICATIONS

High-frequency noise countermeasure in computers, printers, VCRs, televisions, portable telephones, and other equipment.

### PRODUCT IDENTIFICATION

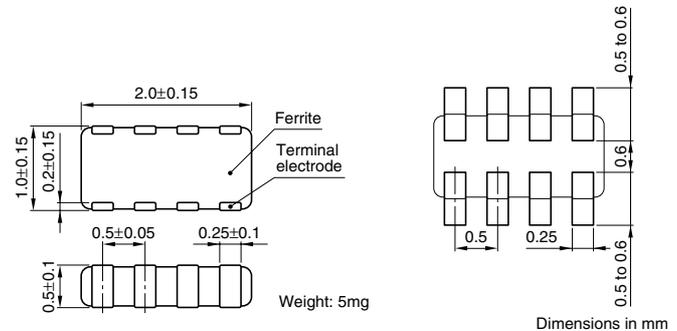
MZA 2010 D 121 C T  
(1) (2) (3) (4) (5) (6)

- (1) Series name
- (2) Dimensions L×W
- (3) Material code
- (4) Nominal impedance  
121:120Ω at 100MHz
- (5) Characteristic type
- (6) Packaging style  
T:Taping

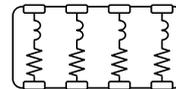
### ELECTRICAL CHARACTERISTICS

Part No.	Impedance (Ω)[100MHz]	DC resistance (Ω)max.	Rated current (mA)max.
MZA2010B241C	240±25%	0.45	100
MZA2010S800C	80±25%	0.22	100
MZA2010S121C	120±25%	0.25	100
MZA2010S241C	240±25%	0.35	100
MZA2010S601C	600±25%	0.5	100
MZA2010S102C	1000±25%	0.75	100
MZA2010Y800C	80±25%	0.3	100
MZA2010Y121C	120±25%	0.4	100
MZA2010Y241C	240±25%	0.6	100
MZA2010Y601C	600±25%	0.8	100
MZA2010Y102C	1000±25%	1	100
MZA2010D330C	33±25%	0.3	50
MZA2010D680C	68±25%	0.5	50
MZA2010D121C	120±25%	0.8	50
MZA2010D241C	240±25%	1.2	50
MZA2010F330C	33±25%	0.6	100
MZA2010F470C	47±25%	0.8	100
MZA2010F560C	56±25%	0.8	100

### SHAPES AND DIMENSIONS/RECOMMENDED PC BOARD PATTERN (REFLOW SOLDERING)



### CIRCUIT DIAGRAM



- No polarity



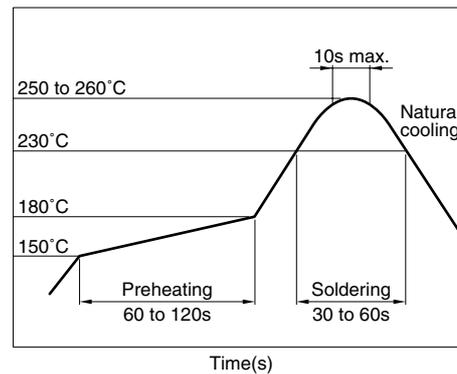
### TEMPERATURE RANGES

Operating/storage  $-55$  to  $+125^\circ\text{C}$

### PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity
Taping	5000 pieces/reel

### RECOMMENDED SOLDERING CONDITION REFLOW SOLDERING



- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.
- Please contact our Sales office when your application are considered the following:  
The device's failure or malfunction may directly endanger human life (e.g. application for automobile/aircraft/medical/nuclear power devices, etc.)

• All specifications are subject to change without notice.

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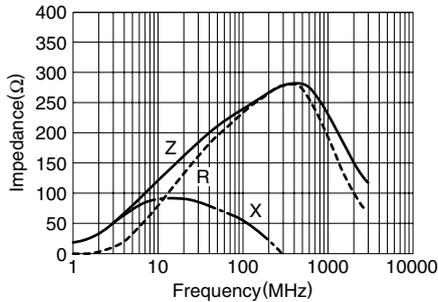
Ferrite Beads  
SMD Array

# MZA Series MZA2010 Type

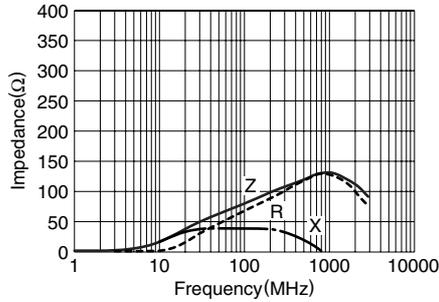
Size: JIS/IEC 2010, EIA 0804

## TYPICAL ELECTRICAL CHARACTERISTICS Z, X, R vs. FREQUENCY CHARACTERISTICS

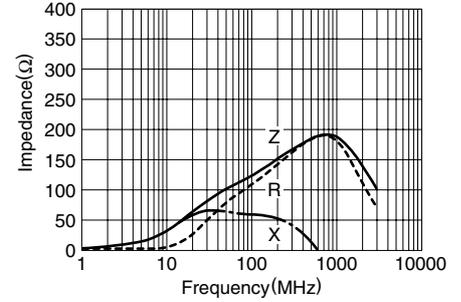
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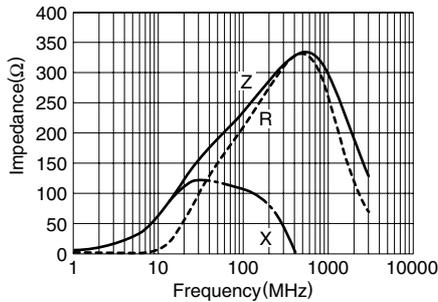
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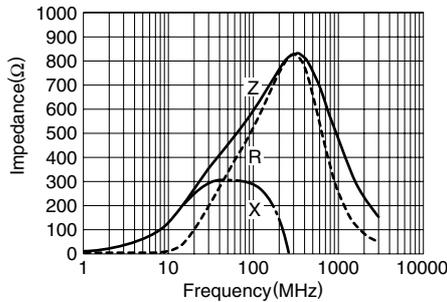
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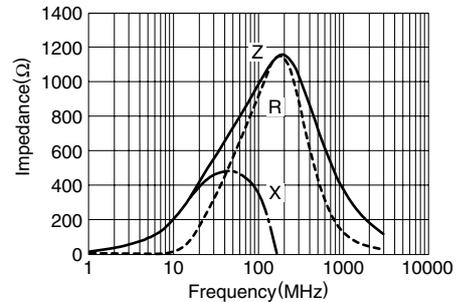
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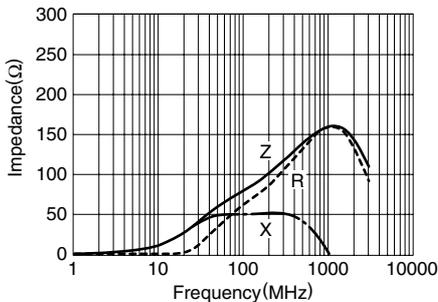
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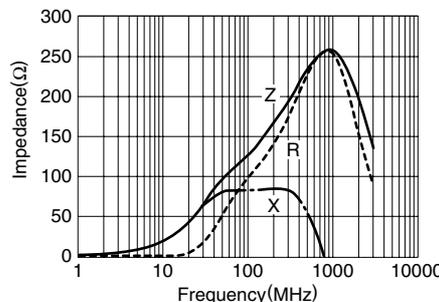
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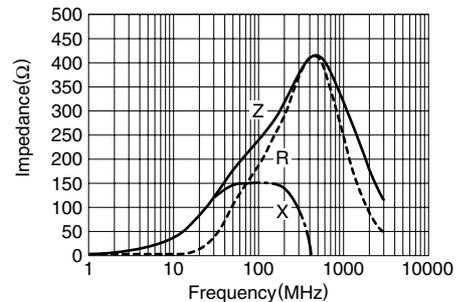
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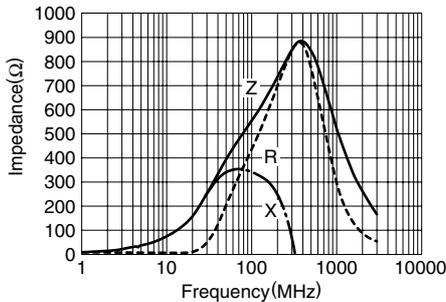
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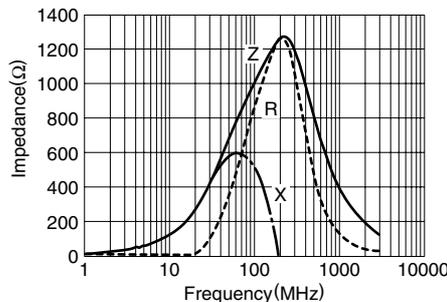
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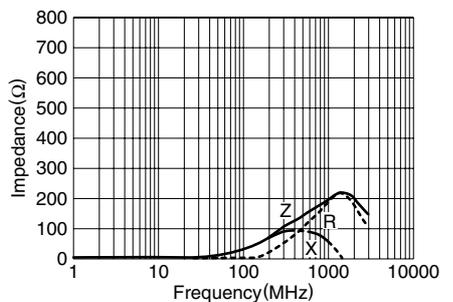
**MZA2010Y601C**



**MZA2010Y102C**



**MZA2010D330C**



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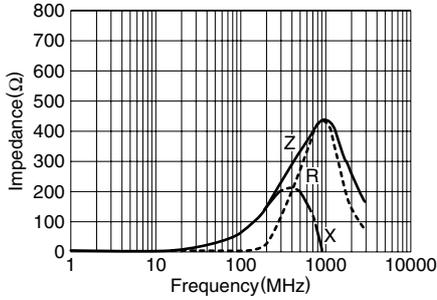
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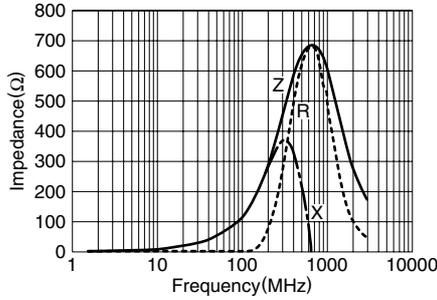
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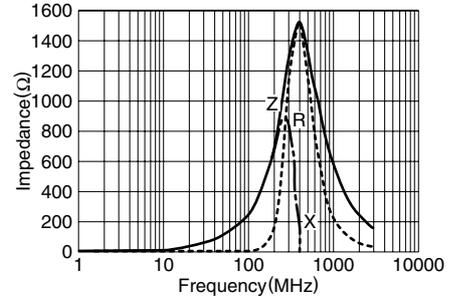
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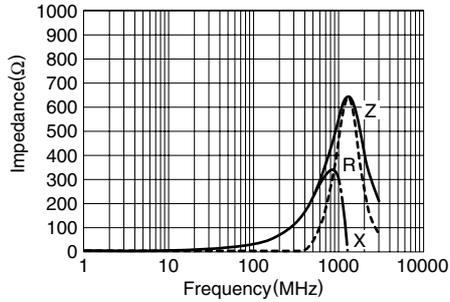
**MZA2010D121C**



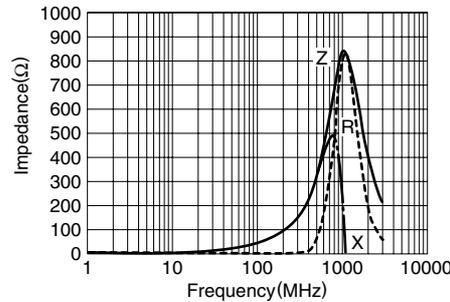
**MZA2010D241C**



**MZA2010F330C**



**MZA2010F470C**



**MZA2010F560C**

