

EMC Components

Common Type Chip Beads

SMD

MCZ Series MCZ1210 Type
3 lines
Size: JIS/IEC 1210, EIA 0504

This is a common type bead product that removes the noise components in a signal line and includes beads for three lines in a single chip. The product exhibits substantial impedance characteristics in the high frequency range and is therefore capable of effectively removing differential mode noises.

Additionally, an appropriate amount of magnetic coupling is created between the beads of the three lines, giving the product the capability to remove not only differential mode noise but common mode noise as well. It is encased in a 1210 casing. This is an SMD product that allows for automatic mounting by taping.

FEATURES

- Compact size and for three lines
- Capable of removing both common and differential mode noises.
- Closed magnetic circuit structure allows high-density installation while preventing crosstalk between circuits.

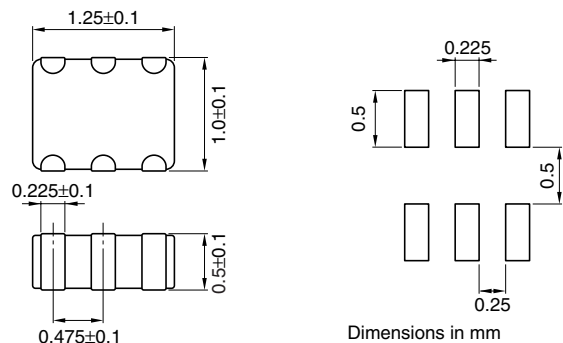
APPLICATIONS

Audio signal lines used in cell phones and mobile audio devices.

TEMPERATURE RANGES

Operating/Storage -40 to +85°C

SHAPES AND DIMENSIONS/RECOMMENDED PC BOARD PATTERN

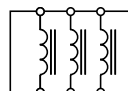


PRODUCT IDENTIFICATION

MCZ	1210	C	T	201	T
(1)	(2)	(3)	(4)	(5)	(6)

- (1) Series name
- (2) Dimensions L×W
- (3) Material code
- (4) Number of line
- (5) Impedance
201: 200Ω at 100MHz
- (6) Packaging style
T: Taping

CIRCUIT DIAGRAM



• No polarity

PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity
Taping	4000 pieces/reel

ELECTRICAL CHARACTERISTICS

Part No.	Open mode impedance (Ω)[at 100MHz]	DC resistance (Ω)max.	Insulation resistance (MΩ)min.	Rated voltage (V)max.	Rated current (mA)max.	Thickness T (mm)
MCZ1210CT121T	120±25%	0.6	1	5	100	0.5
MCZ1210CT201T	200±25%	0.8	1	5	100	0.5

• 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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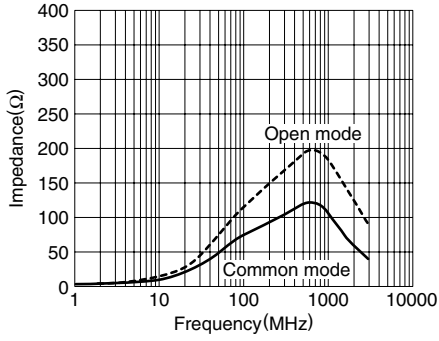
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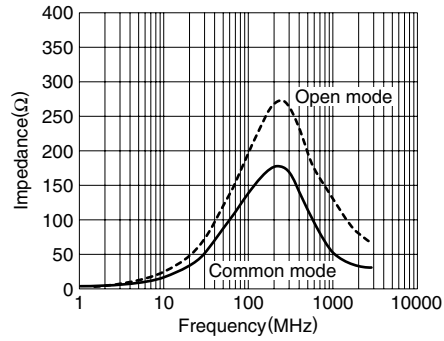
TYPICAL ELECTRICAL CHARACTERISTICS

IMPEDANCE vs. FREQUENCY CHARACTERISTICS

MCZ1210CT121T



MCZ1210CT201T



MEASURING CIRCUITS

