

Chip Beads(SMD) For Signal Line

Conformity to RoHS Directive

MMZ Series MMZ0402 Type

FEATURES

- It is super small size(L0.4×W0.2×T0.2mm).
- It prevents radiated noise from high-speed signal lines.
- Maintain impedance to high frequency band.
- Because it adopts silver in internal electrode, it is low D.C. resistance.
- Because it is not generate of cross talk with closed magnetic circuit structural design, high density assembly is possible.
- It is a product conforming to RoHS directive.

APPLICATIONS

Removal of signal line noises of cellular phones, portable audio players, various modules, etc.

PRODUCT IDENTIFICATION

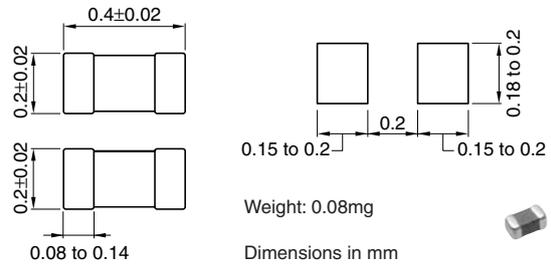
MMZ 0402 S 121 C T
(1) (2) (3) (4) (5) (6)

- (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

HANDLING AND PRECAUTIONS

- Before soldering, be sure to preheat components. The preheating temperature should be set so that the temperature difference between the solder temperature and product temperature does not exceed 150°C.
- After mounting components onto the printed circuit board, do not apply stress through board bending or mishandling.
- Do not expose the inductors to stray magnetic fields.
- Avoid static electricity discharge during handling.

SHAPES AND DIMENSIONS/RECOMMENDED PC BOARD PATTERN



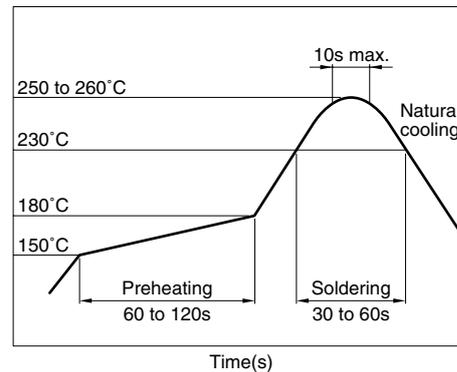
TEMPERATURE RANGES

Operating/storage	-55 to +125°C
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PACKAGING STYLE AND QUANTITIES

Packaging style	Quantity
Taping	20000 pieces/reel

RECOMMENDED SOLDERING CONDITION REFLOW SOLDERING



ELECTRICAL CHARACTERISTICS

Part No.	Impedance (Ω)[100MHz]*	DC resistance (Ω)max.	Rated current (mA)max.
MMZ0402S100C	10±5Ω	0.10	500
MMZ0402S700C	70±25%	0.50	260
MMZ0402S121C	120±25%	0.80	210

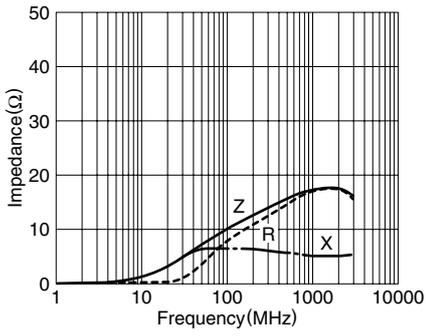
* Test equipment: E4991A or equivalent
Test tool: 16197 or equivalent
Test temperature: 25±10°C

• 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.

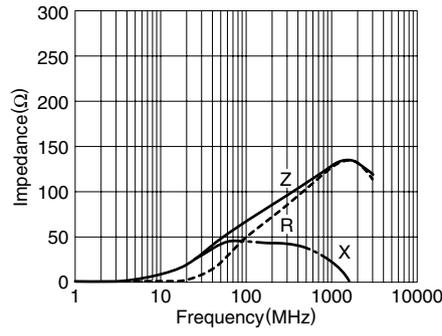
• Please contact our Sales office when your application are considered the following:
The device's failure or malfunction may directly endanger human life (e.g. application for automobile/aircraft/medical/nuclear power devices, etc.)

• All specifications are subject to change without notice.

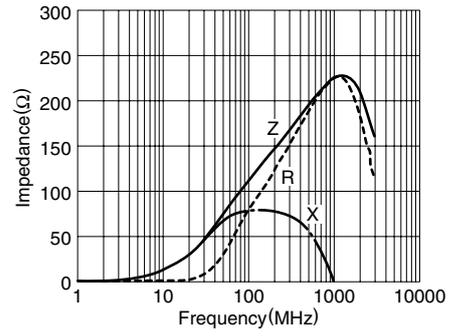
TYPICAL ELECTRICAL CHARACTERISTICS
Z, X, R vs. FREQUENCY CHARACTERISTICS
MMZ0402S100C



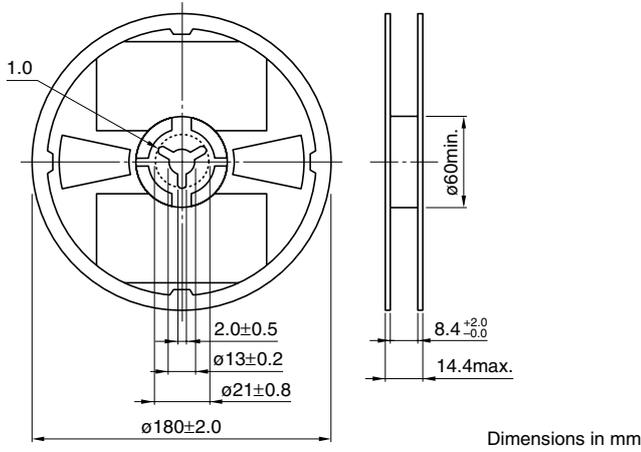
MMZ0402S700C



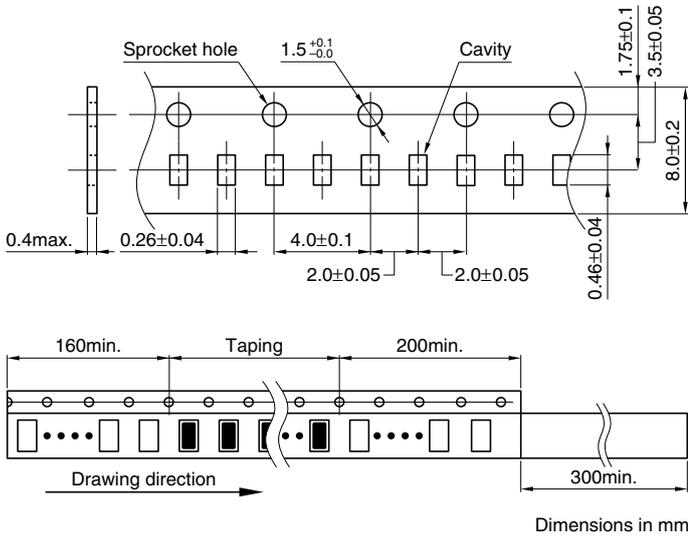
MMZ0402S121C



PACKAGING STYLES
REEL DIMENSIONS



TAPE DIMENSIONS



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