

Chip Beads(SMD) For Signal Line

Conformity to RoHS Directive

MMZ Series MMZ1005-E Type

FEATURES

- Compared with the existing MMZ1005 type, this new product has broad-band impedance values for higher frequency ranges.
- Size standardized for use by automatic assembly equipment. No preferred orientation.
- Electroplated terminal electrodes accommodate reflow soldering.
- High reliability due to an entirely monolithic structure.
- Closed magnetic circuit structure allows high-density installation while preventing crosstalk between circuits.
- Low DC resistance structure of electrode prevents wasteful electric power consumption.
- It is a product conforming to RoHS directive.

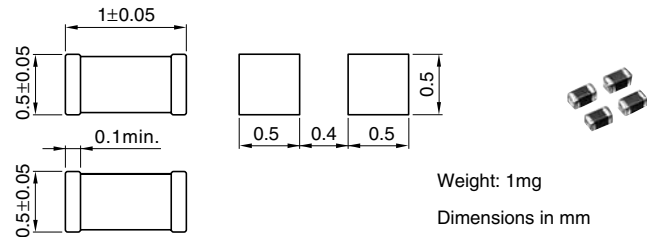
APPLICATIONS

Personal computers, CRTs, liquid crystal display panels, printers, hard disk drives, game machines, cellular phones, etc.

TEMPERATURE RANGES

Operating/storage	-55 to +125°C
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SHAPES AND DIMENSIONS/RECOMMENDED PC BOARD PATTERN



ELECTRICAL CHARACTERISTICS

Part No.	Impedance (Ω)[100MHz]*	DC resistance (Ω)max.	Rated current (mA)max.
MMZ1005S601E	600 \pm 25%	0.70	300
MMZ1005S102E	1000 \pm 25%	1.10	250
MMZ1005S182E	1800 \pm 25%	1.65	200
MMZ1005A601E	600 \pm 25%	0.85	300
MMZ1005A102E	1000 \pm 25%	1.25	250
MMZ1005A152E	1500 \pm 25%	1.70	230
MMZ1005A182E	1800 \pm 25%	2.20	200
MMZ1005A222E	2200 \pm 25%	2.30	150

* Test equipment: E4991A or equivalent
Test tool: 16192A or equivalent
Test temperature: 25 \pm 10°C

PRODUCT IDENTIFICATION

MMZ	1005	S	601	E	T
(1)	(2)	(3)	(4)	(5)	(6)

- (1) Series name
- (2) Dimensions L×W
- (3) Material code
- (4) Nominal impedance
601:600 Ω at 100MHz
- (5) Characteristic type
- (6) Packaging style
T:Taping

PACKAGING STYLE AND QUANTITIES

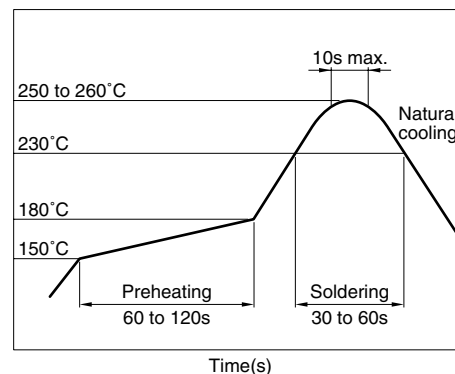
Packaging style	Quantity
Taping	10000 pieces/reel

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.
- When hand soldering, apply the soldering iron to the printed circuit board only. Temperature of the iron tip should not exceed 350°C. Soldering time should not exceed 3 seconds.

RECOMMENDED SOLDERING CONDITION

REFLOW SOLDERING



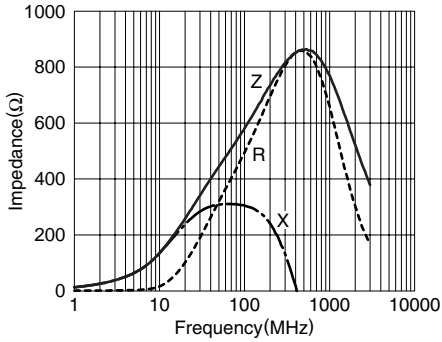
• Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

• 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.)

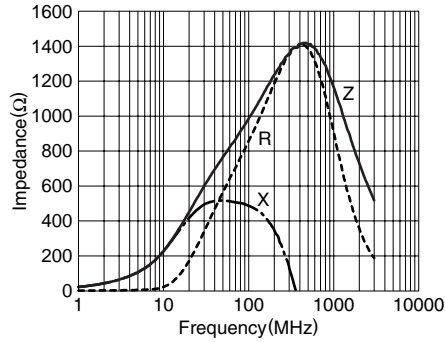
• All specifications are subject to change without notice.

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

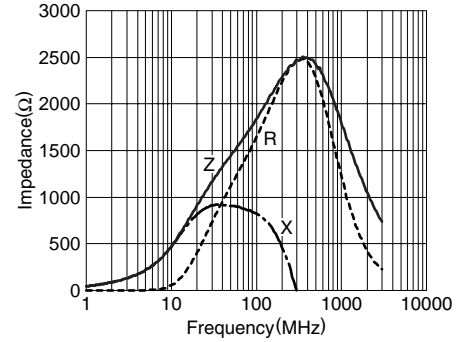
MMZ1005S601E



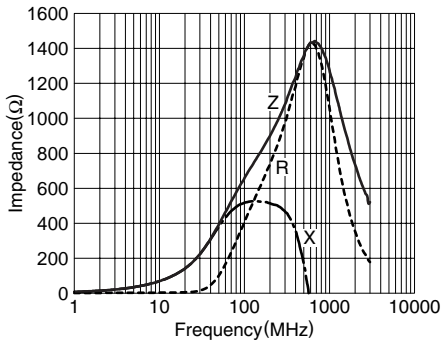
MMZ1005S102E



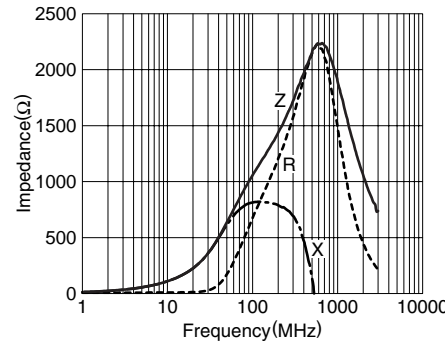
MMZ1005S182E



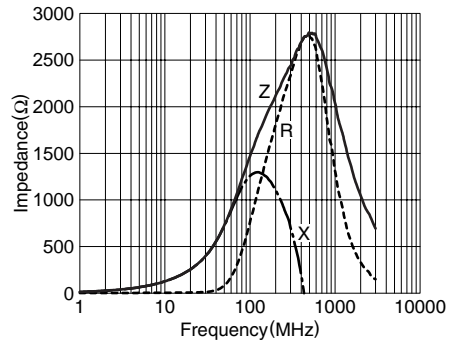
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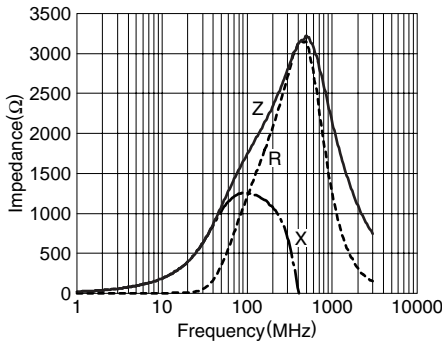
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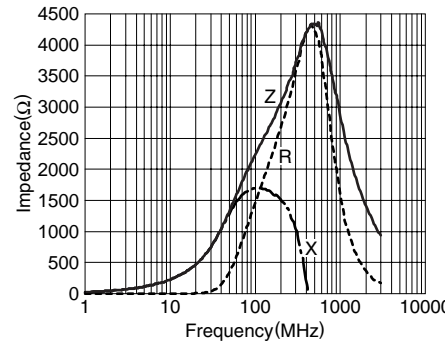
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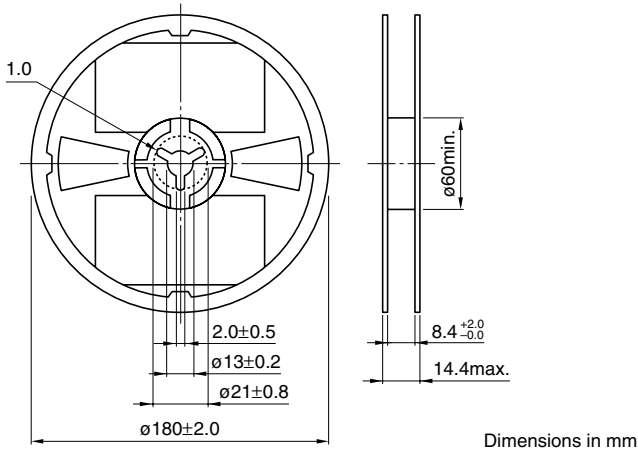
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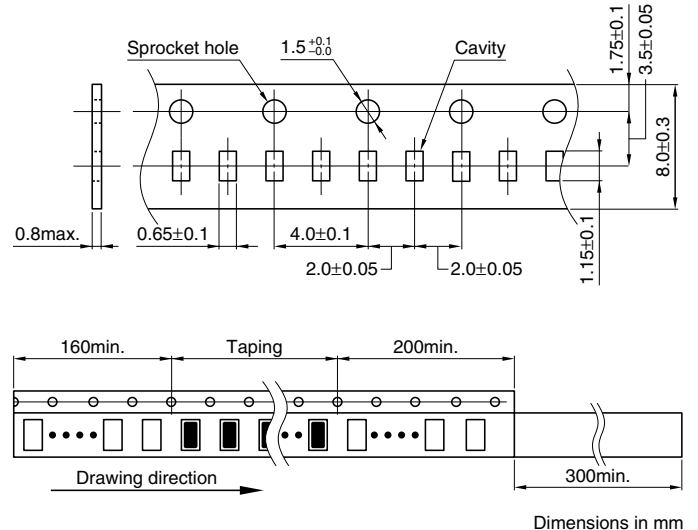
MMZ1005A222E



PACKAGING STYLES
REEL DIMENSIONS



TAPE DIMENSIONS



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