

EMC Components

Ferrite Beads

SMD

MPZ Series MPZ2012 Type

FEATURES

- The MPZ series are multilayer chip impeders for power supply line applications.
- High miniaturized, these parts nonetheless exhibit low DC resistance and high current handling capability.

APPLICATIONS

Noise elimination of DC power supply lines for USB interface circuitry, personal computers, electronic games, hard disk drives, and other general electronic equipment.

Also effective as a noise countermeasure in signal lines.

TEMPERATURE RANGE

Operating -25 to $+85^{\circ}\text{C}$

PRODUCT IDENTIFICATION

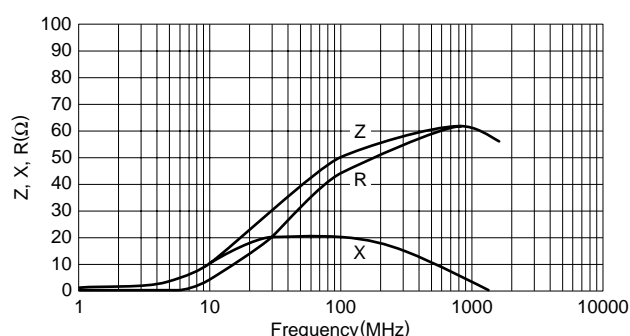
MPZ 2012 S 500 A T
(1) (2) (3) (4) (5) (6)

- (1)Series name (4)Nominal impedance
(2)Dimensions L×W 500:50Ω at 100MHz
(3)Material code (5)Characteristic type
(6)Packaging style
T: Taping

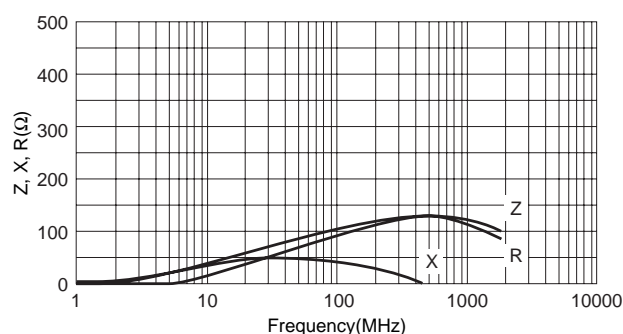
TYPICAL ELECTRICAL CHARACTERISTICS

Z, X, R vs. FREQUENCY CHARACTERISTICS

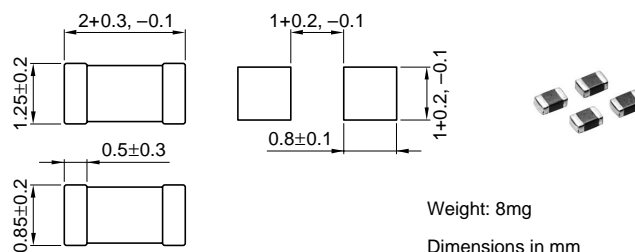
MPZ2012S300A



MPZ2012S101A



SHAPES AND DIMENSIONS/RECOMMENDED PC BOARD PATTERN



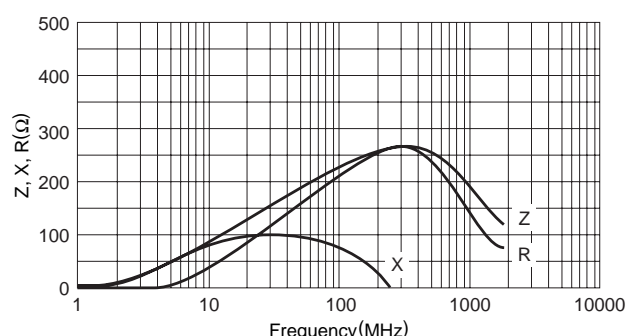
ELECTRICAL CHARACTERISTICS

Part No.	Impedance (Ω)[100MHz]		DC resistance (mΩ)		Rated current (A)max.
	min.	typ.	max.	typ.	
MPZ2012S300A	20	30	10	4	5
MPZ2012S101A	75	100	20	10	4
MPZ2012S221A	165	220	40	20	3
MPZ2012S331A	250	330	50	30	2.5

PACKAGING STYLE AND QUANTITIES

Packaging style	Type	Quantity
Taping	MPZ2012	4000 pieces/reel

MPZ2012S221A



MPZ2012S331A

