

EMC Components

Ferrite Beads SMD

MPZ Series MPZ2012 Type

Size: JIS/IEC 2012, EIA 0805

FEATURES

- The MPZ series are multilayer chip impeters for power supply line applications.
- High miniaturized, these parts nonetheless exhibit low DC resistance and high current handling capability.
- The products contain no lead and also support lead-free soldering.

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.

PRODUCT IDENTIFICATION

MPZ	2012	S	331	A	T
(1)	(2)	(3)	(4)	(5)	(6)

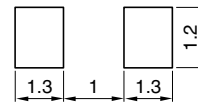
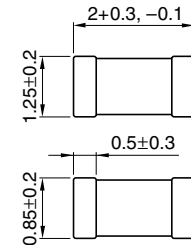
- (1)Series name
(2)Dimensions L×W
(3)Material code
(4)Nominal impedance
331: 330Ω at 100MHz
(5)Characteristic type
(6)Packaging style
T: Taping

ELECTRICAL CHARACTERISTICS

Part No.	Impedance (Ω)[100MHz]		DC resistance (Ω)max.	Rated current* (A)max.
	min.	typ.		
MPZ2012S300A	20	30	0.01	5
MPZ2012S101A	75	100	0.02	4
MPZ2012S221A	165	220	0.04	3
MPZ2012S331A	250	330	0.05	2.5
MPZ2012S601A	450	600	0.1	2

* Please refer to the graph of RATED CURRENT vs. TEMPERATURE CHARACTERISTICS(DERATING) about the rating current at 85°C or more in temperature of the product.

SHAPES AND DIMENSIONS/RECOMMENDED PC BOARD PATTERN



Weight: 8mg

Dimensions in mm

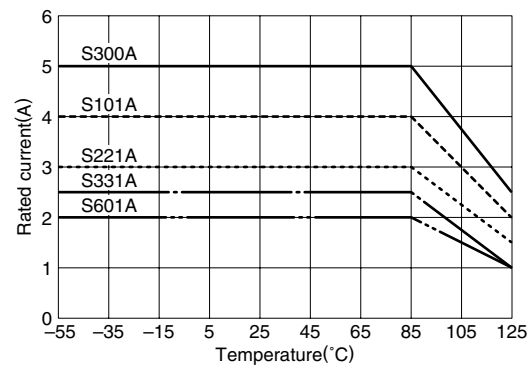
TEMPERATURE RANGES

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

Packaging style	Quantity
Taping	4000 pieces/reel

RATED CURRENT vs. TEMPERATURE CHARACTERISTICS (DERATING)



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SMD

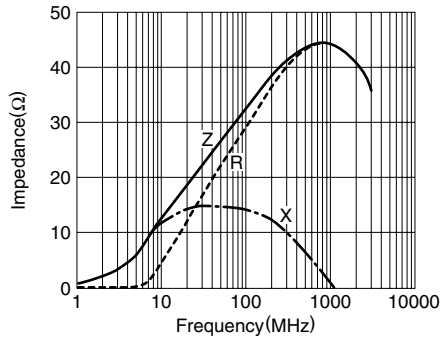
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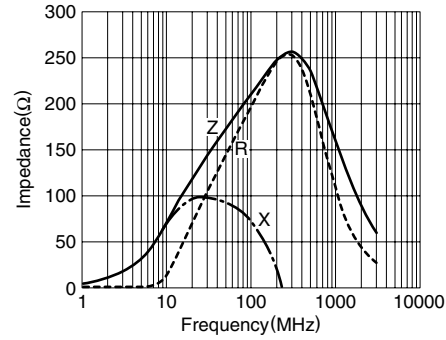
TYPICAL ELECTRICAL CHARACTERISTICS

Z, X, R vs. FREQUENCY CHARACTERISTICS

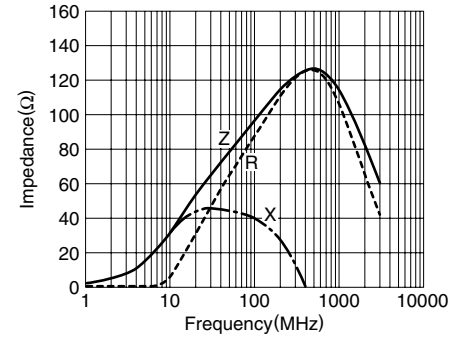
MPZ2012S300A



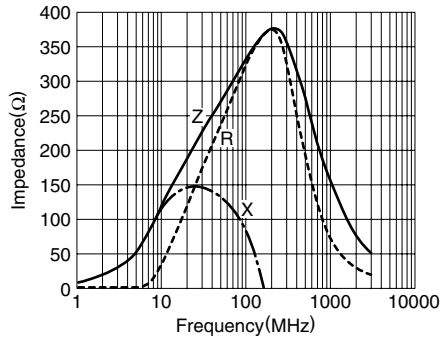
MPZ2012S221A



MPZ2012S101A



MPZ2012S331A



MPZ2012S601A

