


Multilayer Metal alloy Ultra Large Current Bead MPMZ322520M Series

1. Picture

Series	Picture
MPMZ322520M	

2. Overview

The MPMZ322520M large current series beads, packaging size is 3.2*2.5*2.0mm. Compared with ferrite beads this chip beads made of metal alloy have superior saturation characteristics, which is suitable for EMI noise suppression in power line of electronic devices.

3. Background

The impedance of ferrite beads due to the magnetic saturation properties when used in large bias DC circuit, which weakens EMI suppression ability. MPMZ series beads made of metal alloy can maintain decent impedance spectrum in power line, with low RDC this product is especially suitable for EMI suppression for power lines.

4. Features

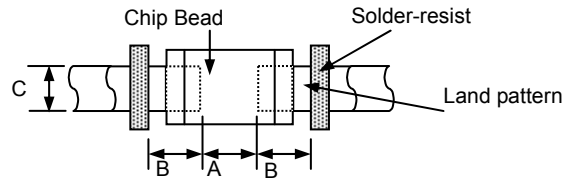
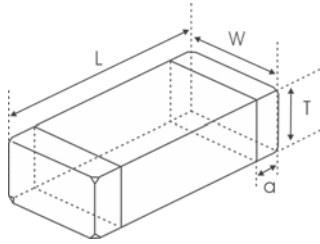
- Low profile and thin thickness, SMD type
- Superior saturation characteristics result from metal alloy material
- Low RDC, large rated current
- EMI suppression for dozens of MHz frequency

5. Applications

- Noise suppression for power lines of communication devices, A/V devices, servers, PC and peripherals, etc.

6. Shape and Dimensions

MPMZ322520M Series



Type	L	W	T	a	A	B	C
322520	3.20(-0.10,+0.30) [0.126(-0.004,+0.012)]	2.50±0.20 [0.098±0.008]	1.8±0.2 [0.071±0.008]	0.7±0.3 [0.028±0.012]	1.9~2.1	1.2~1.5	2.6~2.8

7. Part Number

MPMZ 322520 M 300 T F
 ① ② ③ ④ ⑤ ⑥

①	Type
MPMZ	Multi-layer Chip Metal Alloy Bead

②	External Dimensions (L X W X T) [mm]
322520	3.2 X 2.5 X 2.0(max)

③	Material Code
	M

④	Nominal Impedance
Example	Nominal Value
300	30Ω

⑤	Packing
T	Tape Carrier Package

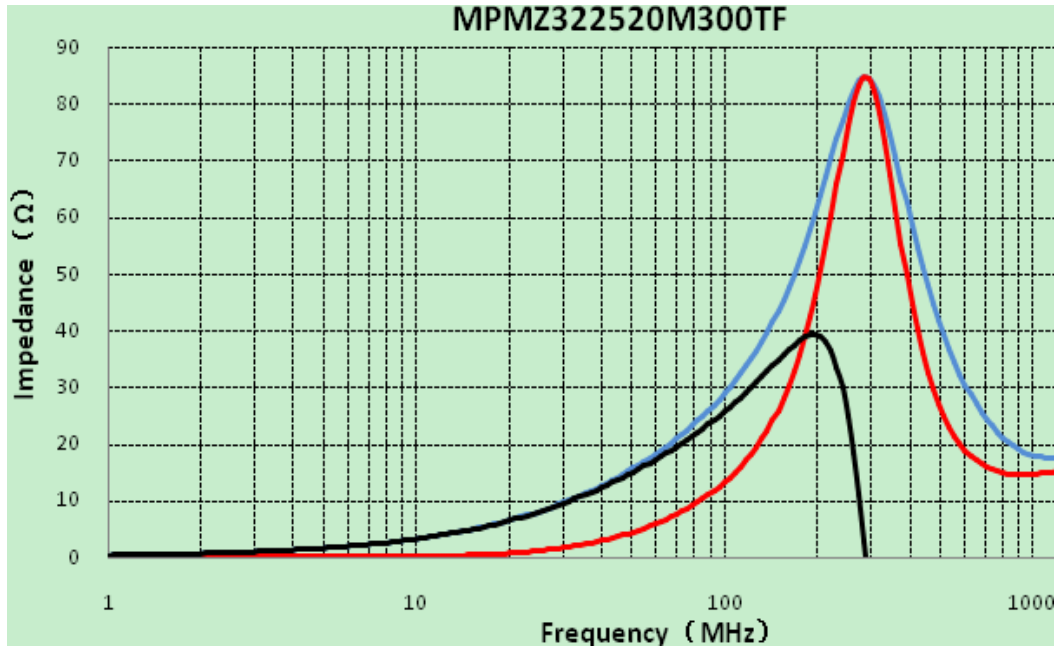
⑥	HSF Products
	Hazardous Substance Free Products

8. Specifications

MPMZ322520M TYPE

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	DCR (m Ω) Max.	I _r (A) Max.
MPMZ322520M300TF	30 \pm 30%	100	2	10

Impedance vs. Frequency



Impedance vs. DC Current

