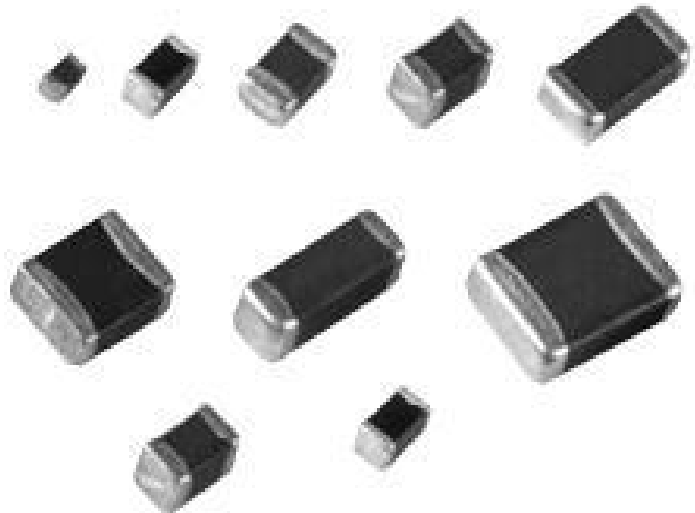




SMD Multilayer Ferrite Chip Beads

JYPB SERIES



## **FEATURES/APPLICATOINS**

- .Carrier tape packing use for SMT
- .Can be used in a wide range of frequency to suppress EMI
- .Excellent solder ability
- .Suitable for reflow STM craft soldering
- .Lead free products, ROHS compliant
- .Widely use in Noise suppression in Digital equipment such as Computer peripheral devices /VCR /VCD /DVD /Camera /OA equipments etc.

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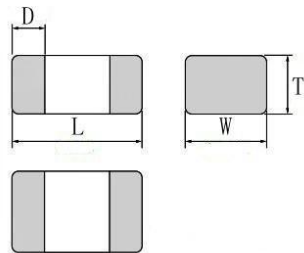
## PRODUCT INDICATION

**JYPB 1608 F 101 Y**

①      ②      ③      ④      ⑤

- ① Product type: JYPB type
- ② External dimension: 16 for Diameter 1.6mm, 08 for Width 0.8mm
- ③ Material code: F, C
- ④ Nominal impedance: 101 for 100Ω
- ⑤ Tolerance: Y for ±25%

## SHAPE AND DIMENSIONS



Unit:mm

Part No.	L	W	T	D
1005 (0402)	1.0±0.15 (0.040±0.006)	0.5±0.15 (0.020±0.006)	0.5±0.15 (0.020±0.006)	0.25±0.10 (0.010±0.004)
1608 (0603)	1.6±0.2 (0.063±0.008)	0.8±0.2 (0.031±0.008)	0.8±0.2 (0.031±0.008)	0.3±0.2 (0.01±0.008)
2012 (0805)	2.0±0.2 (0.079±0.008)	1.2±0.2 (0.047±0.008)	0.9±0.2 (0.035±0.008)	0.5±0.3 (0.020±0.012)
3216 (1206)	3.2±0.2 (0.126±0.008)	1.6±0.2 (0.063±0.008)	1.6±0.2 (0.063±0.008)	0.5±0.3 (0.020±0.012)

■ Notes:

● HP4191A

Impedance instrument HP4191A Impedance analyzer

● 100MHz

Inductance testing condition: 100MHz.

●

DCR instrument: TH2512B or DCR test equipment equivalent .

●

Rated Current test: VR7210&VR113H.

●

Rated Current definition: Inductance drop by 25% or temperature rise by 40°C ,  
the lesser of the minimum as the rated current.

Temperature storage:-25~80 ; the relative humidity : RH65%~85%

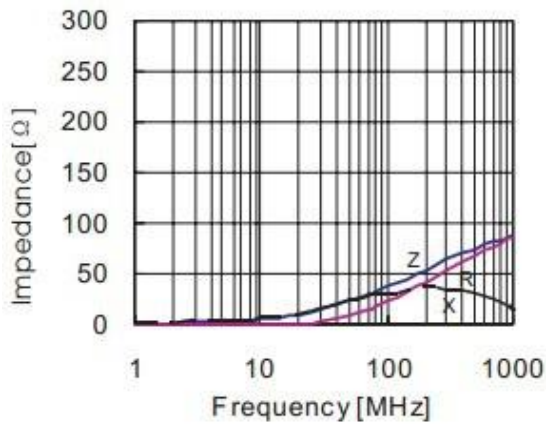
## Electrical Characteristics JYPB1005(0402) Series(10000pcs/reel)

OPERATING TEMP. -40~85°C

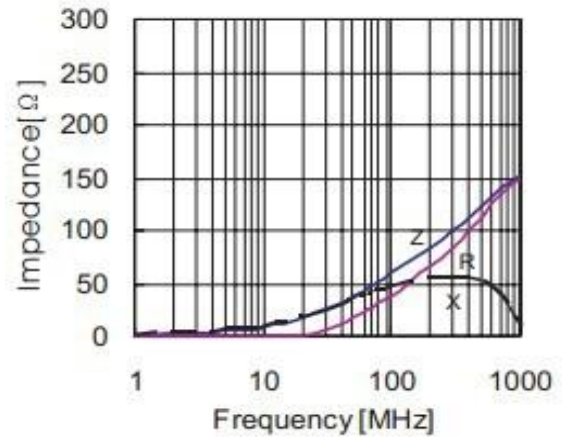
Part NO	Impedance ( $(\Omega \pm 25\%)$ )	Test Frequency(MHz)	Rated Current(mA)Max	DC ( $\Omega$ )Max
JYPB1005F070Y	0~11	100	1800	0.05
JYPB1005F190Y	12~25	100	1500	0.06
JYPB1005F260Y	$26 \pm 25\%$	100	1300	0.08
JYPB1005F300Y	$30 \pm 25\%$	100	1300	0.08
JYPB1005F600Y	$60 \pm 25\%$	100	1000	0.1
JYPB1005F101Y	$100 \pm 25\%$	100	800	0.15
JYPB1005F121Y	$120 \pm 25\%$	100	800	0.15
JYPB1005F151Y	$150 \pm 25\%$	100	700	0.2
JYPB1005F201Y	$200 \pm 25\%$	100	700	0.25
JYPB1005F301Y	$300 \pm 25\%$	100	600	0.3
JYPB1005F501Y	$500 \pm 25\%$	100	500	0.4
JYPB1005F601Y	$600 \pm 25\%$	100	500	0.5
JYPB1005F801Y	$800 \pm 25\%$	100	300	0.65

### FERRITE CHIP BEADS

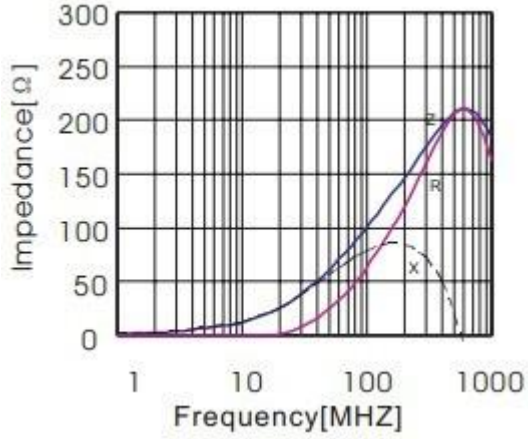
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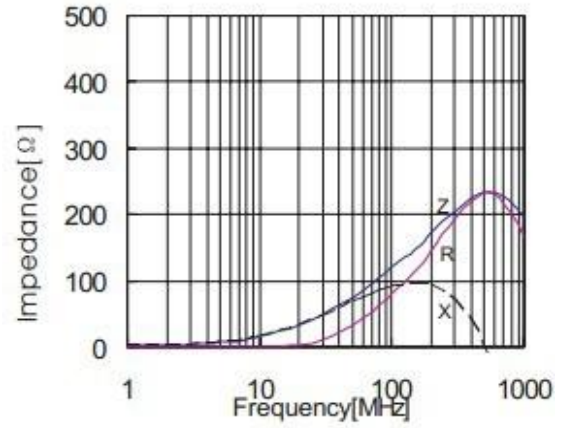
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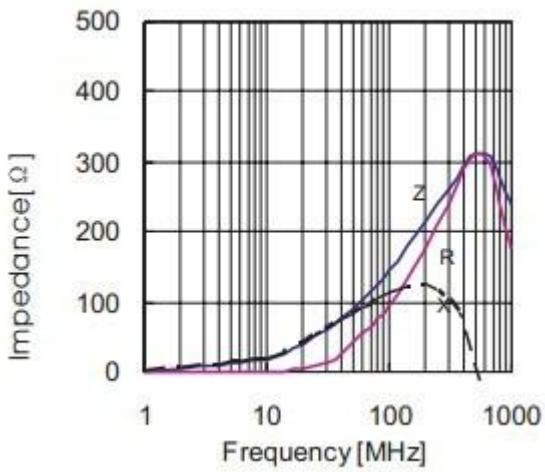
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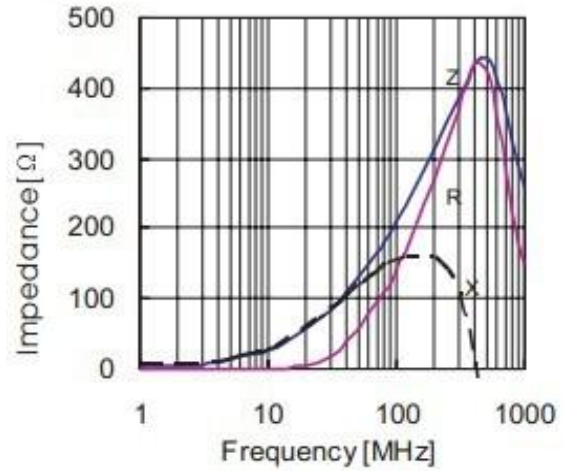
JYPB100505F121Y



JYPB100505F151Y



JYPB100505F201Y



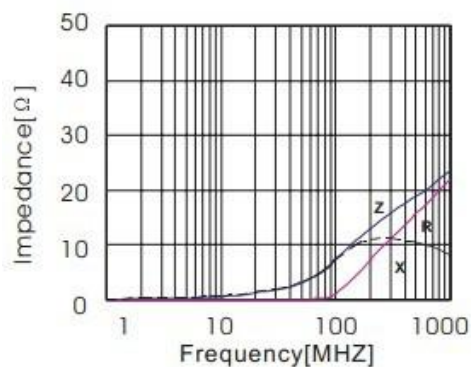
## Electrical Characteristics JYPB1608(0603) Series(4000pcs/reel)

OPERATING TEMP. -40~85°C

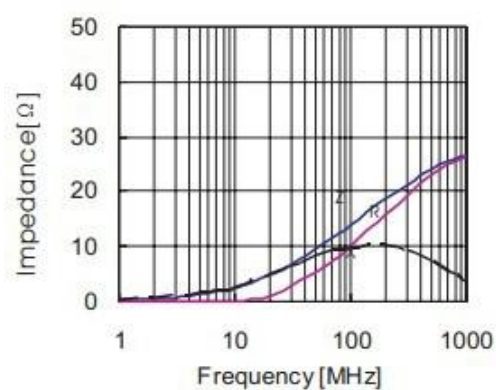
Part NO	Impedance ( $(\Omega \pm 25\%)$ )	Test Frequency(MHz)	Rated Current(mA)Max	DC ( $\Omega$ )Max
JYPB1608F110Y	7~15	100	6000	0.02
JYPB1608F190Y	12~25	100	6000	0.02
JYPB1608F260Y	26 $\pm$ 25%	100	4000	0.02
JYPB1608F300Y	30 $\pm$ 25%	100	4000	0.02
JYPB1608F800Y	80 $\pm$ 25%	100	2500	0.06
JYPB1608F101Y	100 $\pm$ 25%	100	2500	0.06
JYPB1608F121Y	120 $\pm$ 25%	100	2500	0.065
JYPB1608F151Y	150 $\pm$ 25%	100	2000	0.07
JYPB1608F181Y	180 $\pm$ 25%	100	1500	0.07
JYPB1608F221Y	220 $\pm$ 25%	100	1500	0.12
JYPB1608F301Y	300 $\pm$ 25%	100	1000	0.18
JYPB1608F501Y	500 $\pm$ 25%	100	1000	0.18
JYPB1608F601Y	600 $\pm$ 25%	100	1000	0.18
JYPB1608F801Y	800 $\pm$ 25%	100	700	0.3
JYPB1608F102Y	1000 $\pm$ 25%	100	600	0.4
JYPB1608F122Y	1200 $\pm$ 25%	100	500	0.5
JYPB1608F152Y	1500 $\pm$ 25%	100	500	0.5
JYPB1608F182Y	1800 $\pm$ 25%	100	500	0.6
JYPB1608F202Y	2000 $\pm$ 25%	100	500	0.6

### FERRITE CHIP BEADS

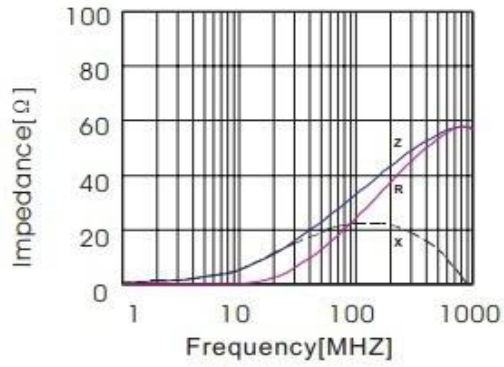
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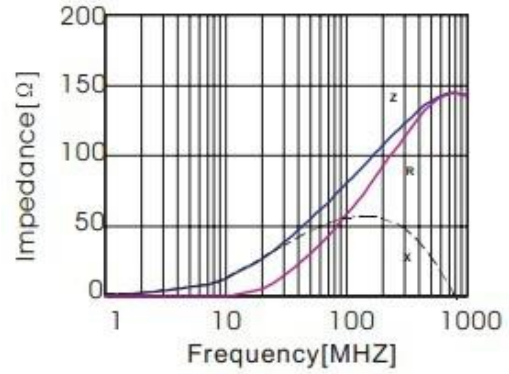
JYPB1608Y190Y



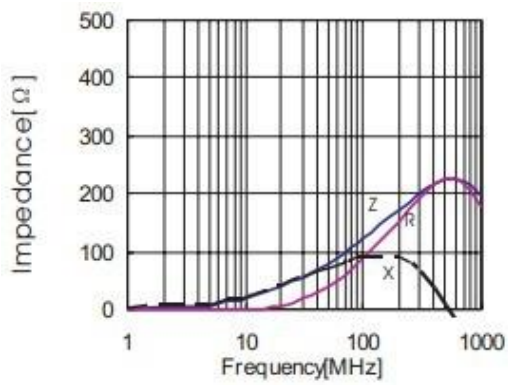
JYPB1608Y300Y



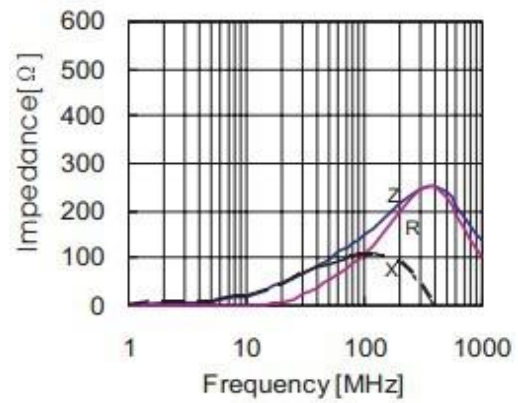
JYPB1608Y800Y



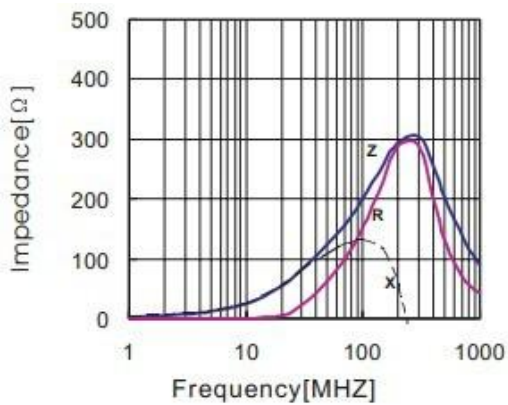
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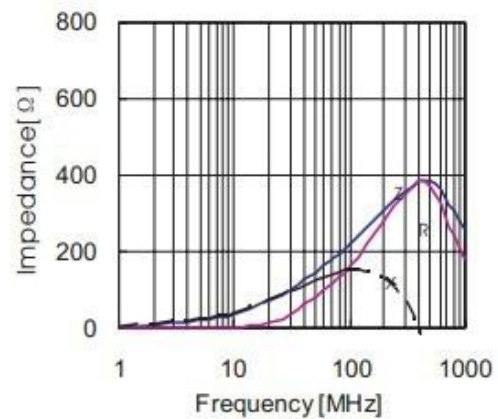
JYPB1608Y151Y



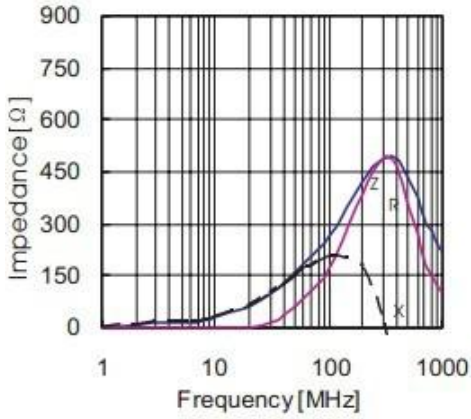
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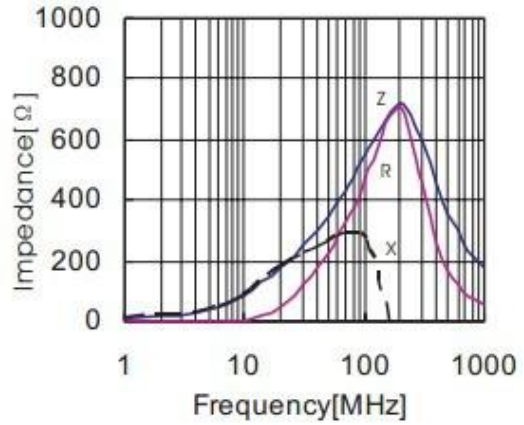
JYPB1608Y221Y



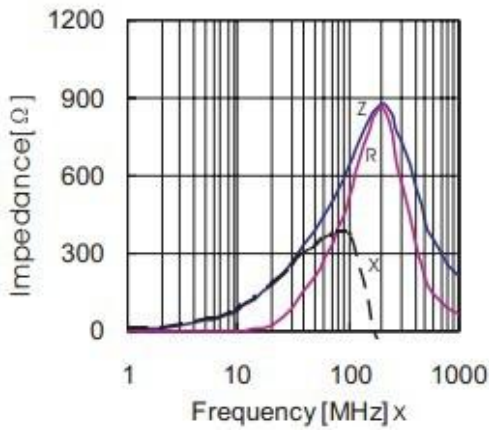
JYPB1608Y301Y



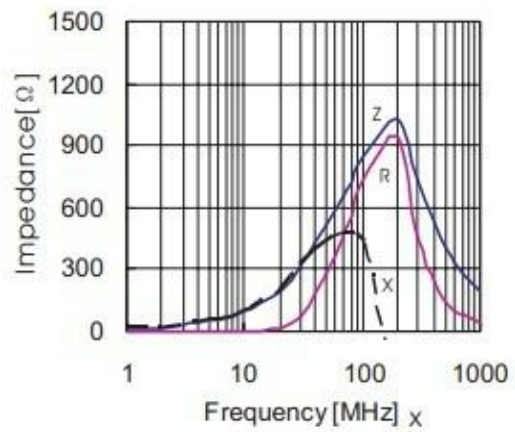
JYPB1608Y501Y



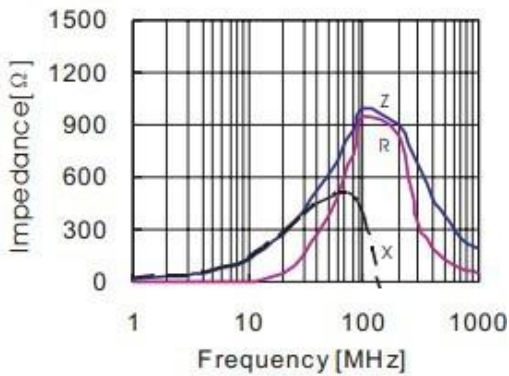
JYPB1608Y601Y



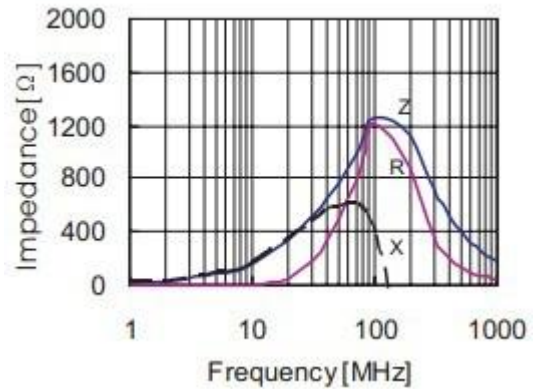
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JYPB1608Y102Y

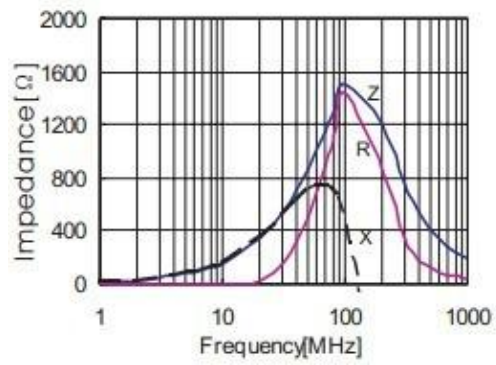


JYPB1608Y122Y

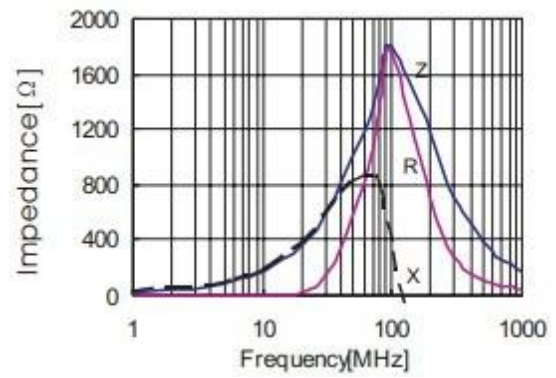




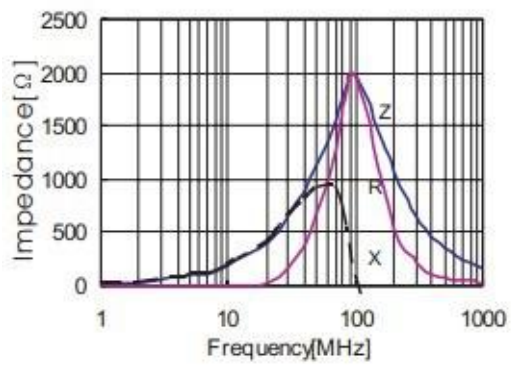
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JYPB1608Y182Y



JYPB1608Y202Y



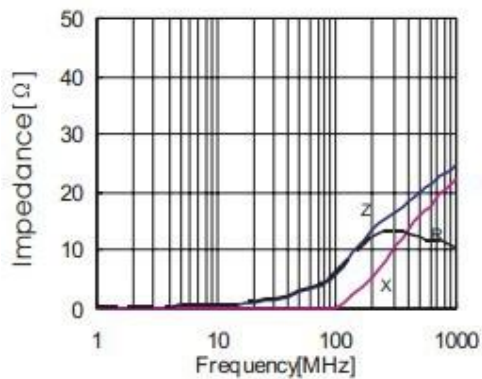
## Electrical Characteristics JYPB2012(0805) Series(4000pcs/reel)

OPERATING TEMP. -40~85°C

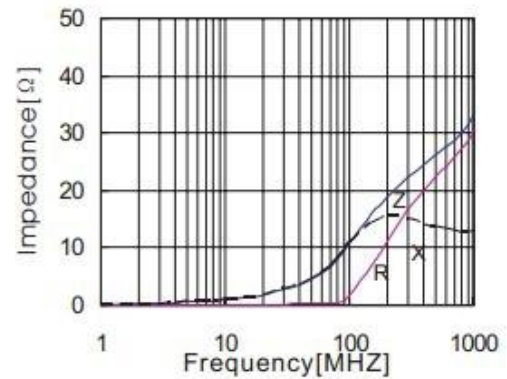
Part NO	Impedance ( $\Omega \pm 25\%$ )	Test Frequency(MHz)	Rated Current(mA)Max	DC ( $\Omega$ )Max
JYPB201209F050Y	0~15	100	6000	0.01
JYPB201209F110Y	7~15	100	6000	0.01
JYPB201209F260Y	26 $\pm 25\%$	100	6000	0.01
JYPB201209F300Y	30 $\pm 25\%$	100	6000	0.01
JYPB201209F500Y	50 $\pm 25\%$	100	4000	0.03
JYPB201209F600Y	60 $\pm 25\%$	100	3500	0.03
JYPB201209F800Y	80 $\pm 25\%$	100	3000	0.04
JYPB201209F121Y	120 $\pm 25\%$	100	3000	0.05
JYPB201209F151Y	150 $\pm 25\%$	100	3000	0.08
JYPB201209F181Y	180 $\pm 25\%$	100	2500	0.08
JYPB201209F221Y	220 $\pm 25\%$	100	2500	0.08
JYPB201209F301Y	300 $\pm 25\%$	100	2500	0.08
JYPB201209F501Y	500 $\pm 25\%$	100	2000	0.1
JYPB201209F601Y	600 $\pm 25\%$	100	2000	0.1
JYPB201209F801Y	800 $\pm 25\%$	100	1500	0.12
JYPB201209F102Y	1000 $\pm 25\%$	100	1500	0.12
JYPB201209F122Y	1200 $\pm 25\%$	100	800	0.2
JYPB201209F152Y	1500 $\pm 25\%$	100	600	0.3

### FERRITE CHIP BEADS

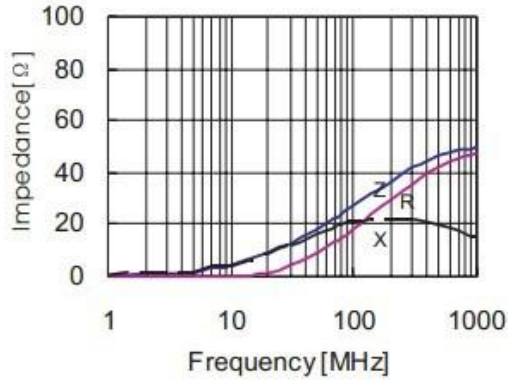
JYPB201209F050Y



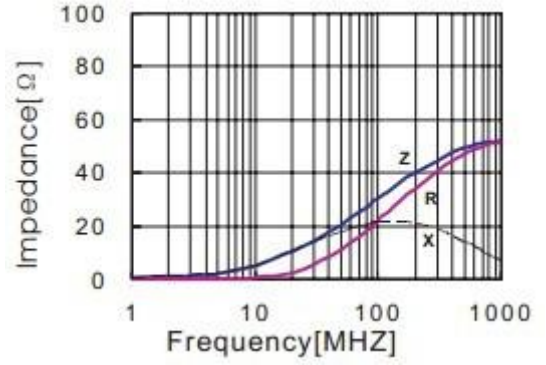
JYPB201209F110Y



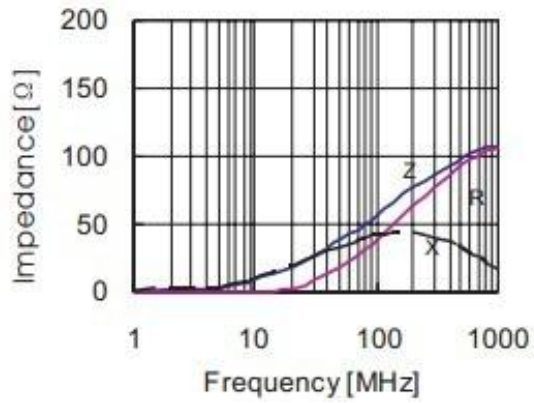
JYPB201209F260Y



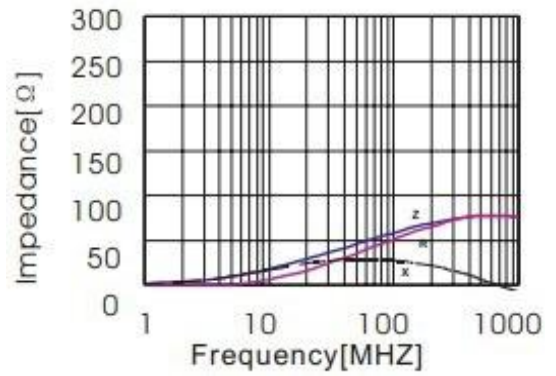
JYPB201209F300Y



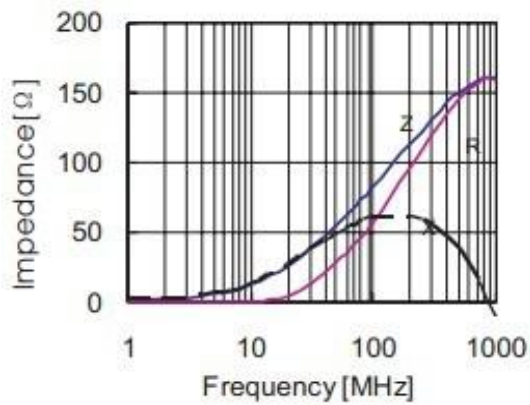
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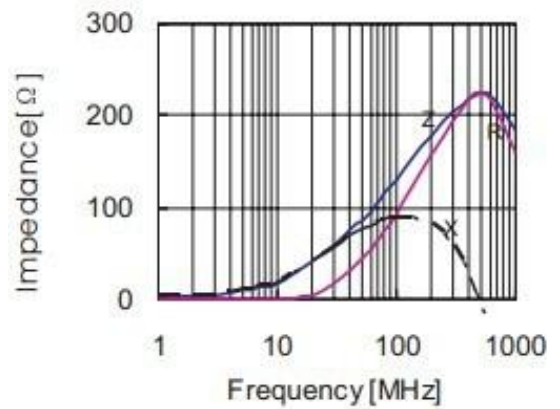
JYPB201209F600Y



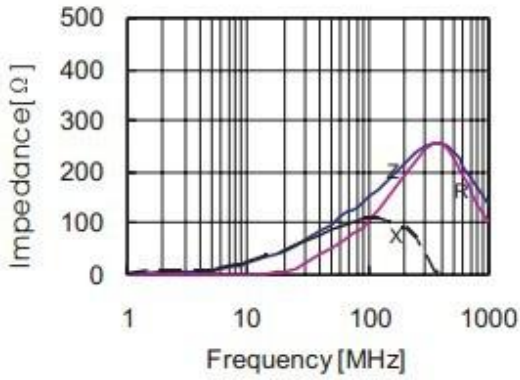
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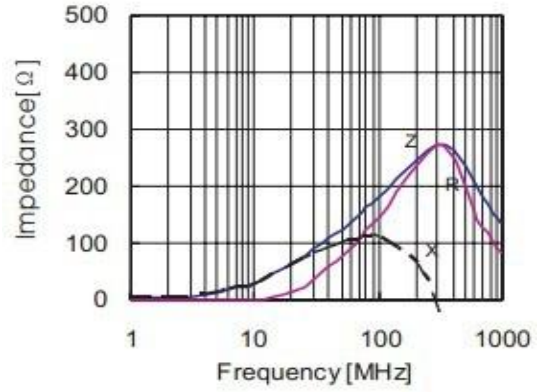
JYPB201209F121Y



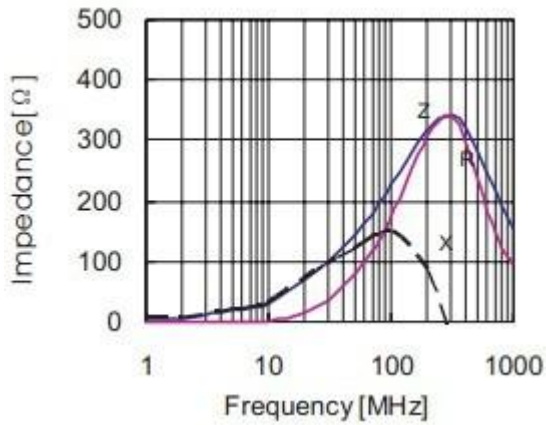
JYPB201209F151Y



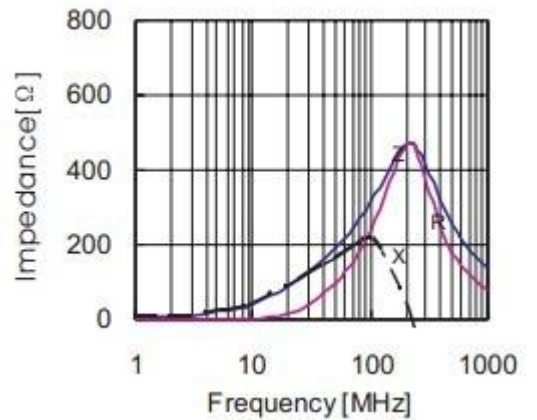
JYPB201209F181Y



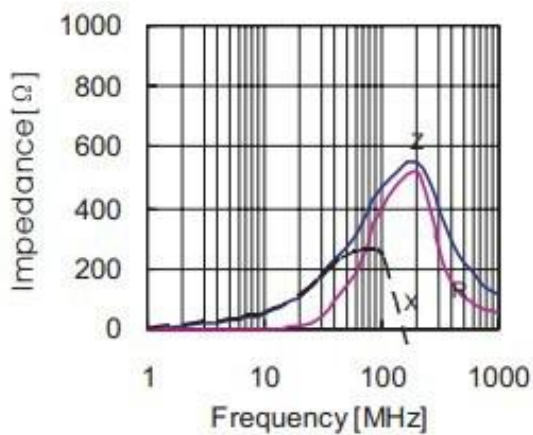
JYPB201209F221Y



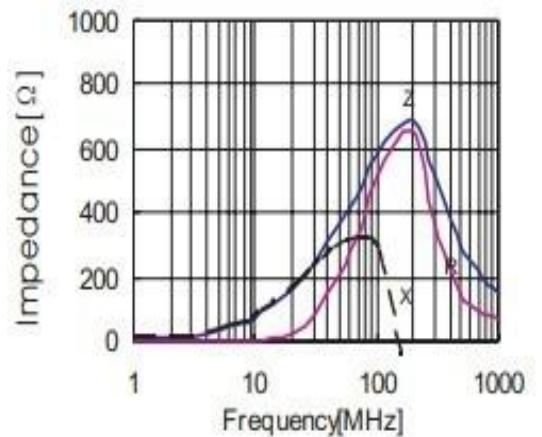
JYPB201209F301Y



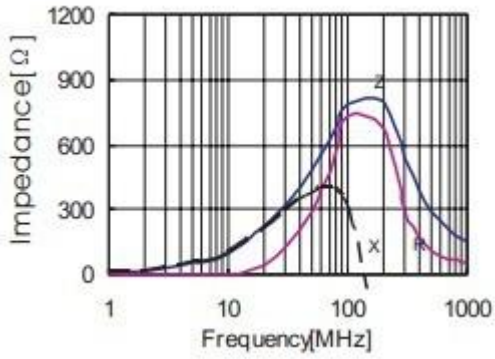
JYPB201209F501Y



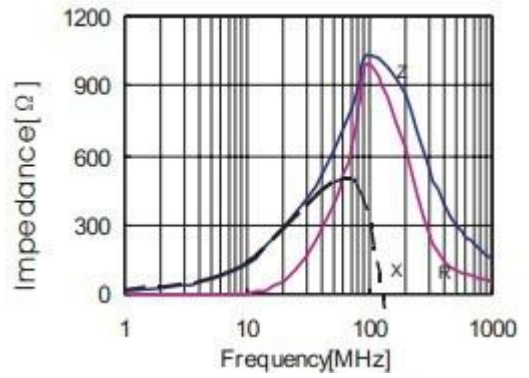
JYPB201209F601Y



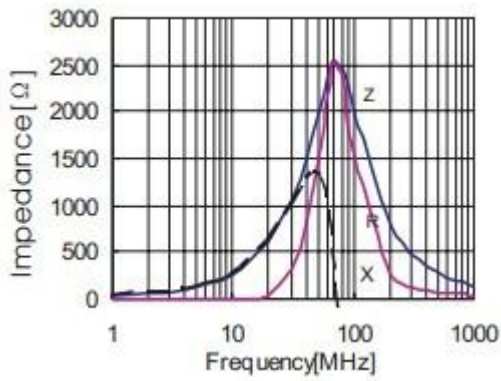
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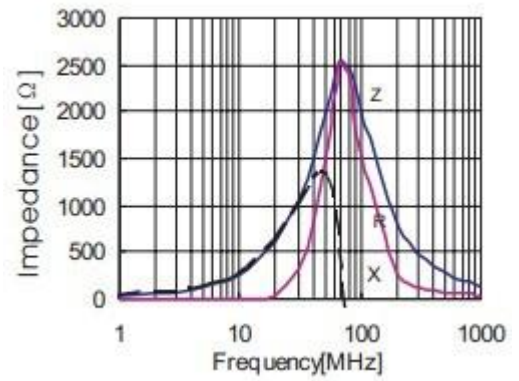
JYPB201209F102Y



JYPB201209F122Y



JYPB201209F152Y



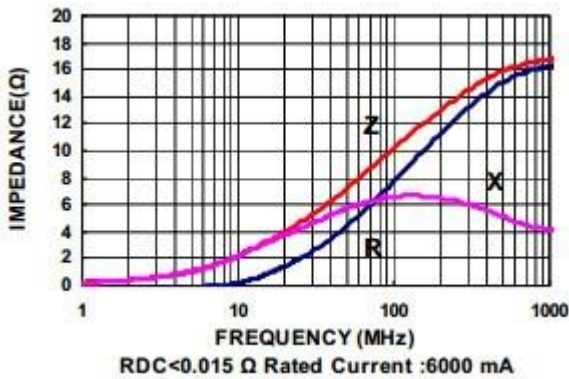
**Electrical Characteristics JYPB3216(1206) Series(4000pcs/reel)**

OPERATING TEMP. -40~85°C

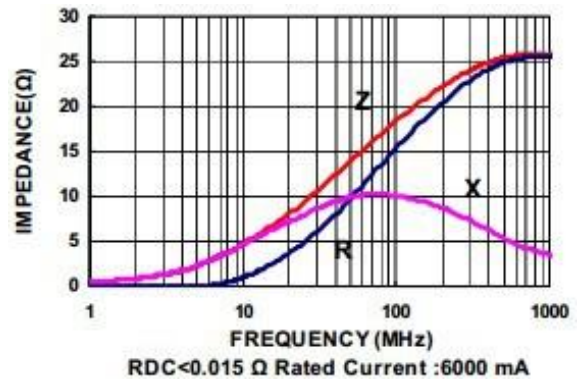
Part NO	Impedance (( $\Omega \pm 25\%$ ))	Test FreqFency(MHz)	Rated CFrrent(mA)Max	DC ( $\Omega$ )Max
JYPB321611F100Y	10 $\pm$ 30%	100	6000	0.015
JYPB321611F190Y	19	100	6000	0.015
JYPB321611F300Y	30	100	4000	0.015
JYPB321611F600Y	60	100	3000	0.025
JYPB321611F101Y	100	100	3000	0.03
JYPB321611F121Y	120	100	3000	0.03
JYPB321611F221Y	220	100	2000	0.05
JYPB321611F301Y	300	100	2000	0.06
JYPB321611F601Y	600	100	2000	0.1
JYPB321611F102Y	1000	50	1200	0.15
JYPB321611F122Y	1200	50	1000	0.18
JYPB321611F152Y	1500	50	800	0.2

**FERRITE CHIP BEADS**

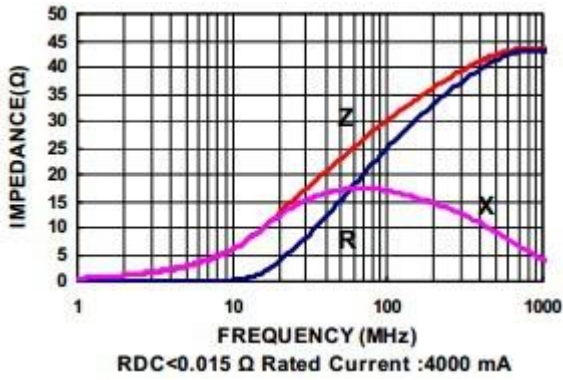
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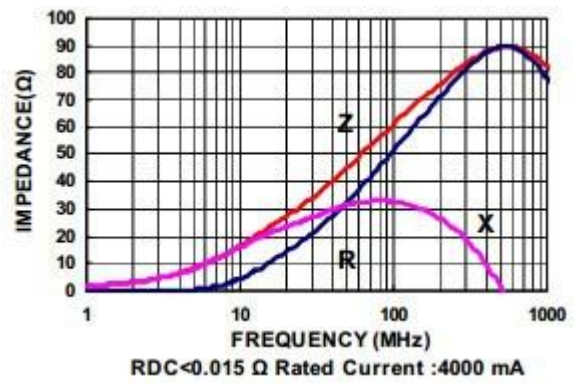
JYPB321611F190Y



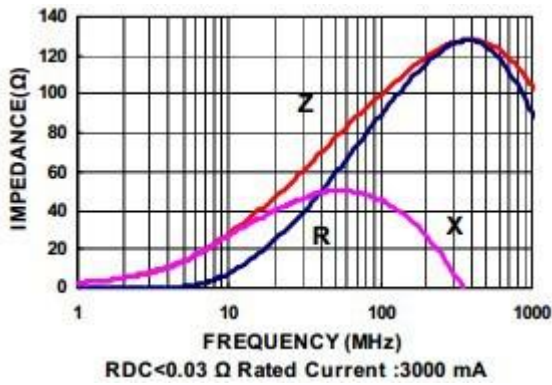
JYPB321611F300Y



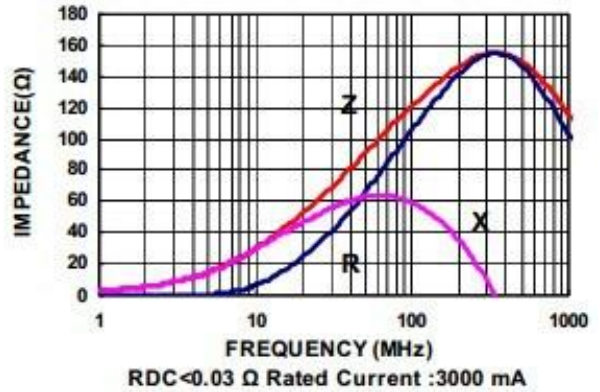
JYPB321611F600Y



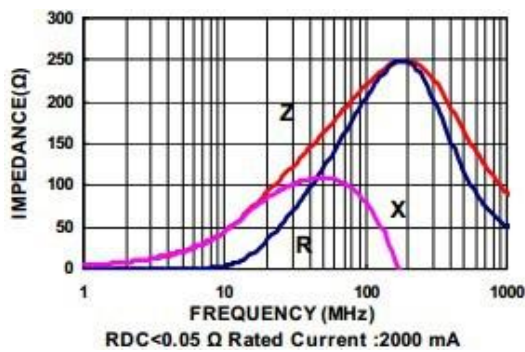
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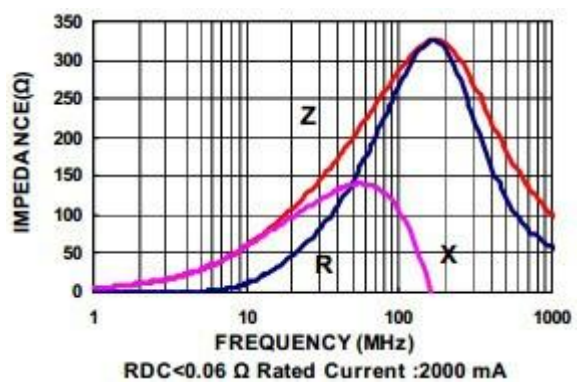
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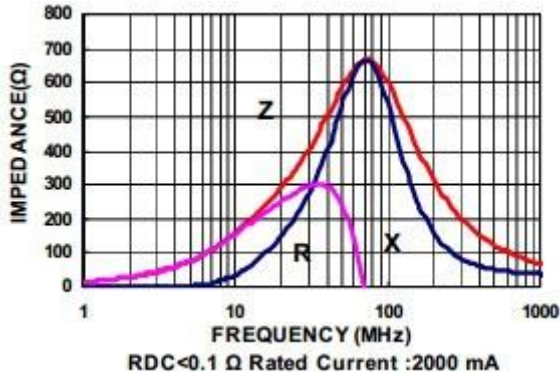
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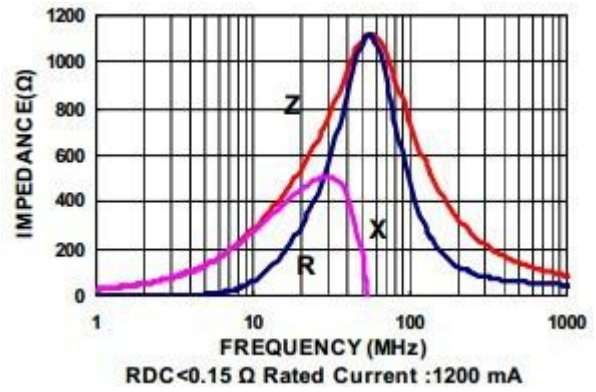
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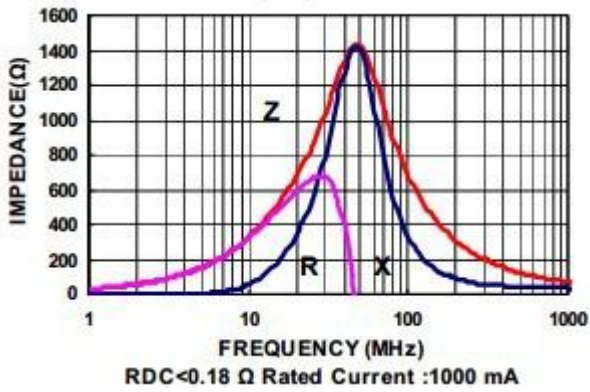
JYPB321611F601Y



JYPB321611F102Y



JYPB321611F122Y



JYPB321611F152Y

