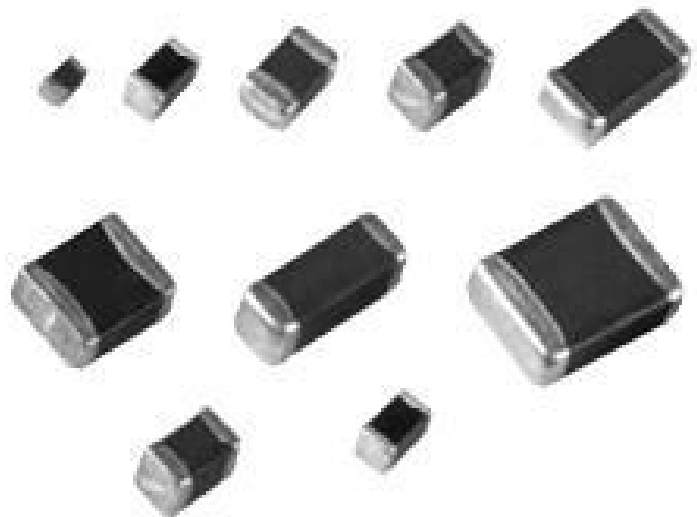


## SMD Multilayer Ferrite Chip Beads

### JYDP 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.

Page

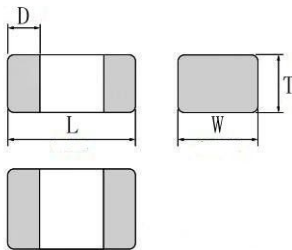
JYDP0603 ..... 4  
 JYDP1005 ..... 5  
 JYDP1608 ..... 8  
 JYDP2012 ..... 10  
 JYDP3216 ..... 13

## PRODUCT INDICATION

**JYDP**   **1608**   **F**   **101**   **Y**  
 ①            ②            ③            ④            ⑤

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

## SHAPE AND DIMENSIONS



unit mm(inch)

Part±No.	L	W	T	D
0603 (0201)	0.6±0.05(0.024±0.002)	0.3±0.05(0.012±0.002)	0.3±0.05(0.012±0.002)	0.15±0.05(0.006±0.002)
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)	0.9±0.2(0.035±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.

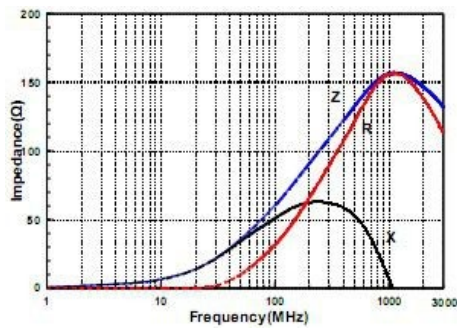
Temperature storage:-25~80 ; the relative humidity : RH65%~85%

## Electrical Characteristics JYDP0603(0201) Series(15000pcs/reel)

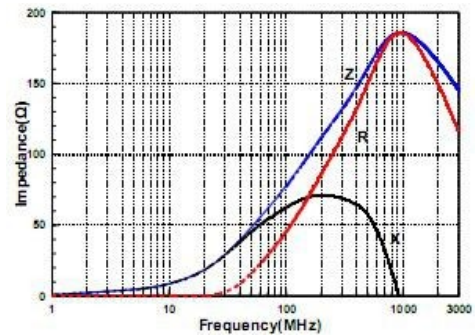
OPERATING TEMP. -40~85°C

Part NO	Impedance (( $\Omega \pm 25\%$ ))	Test Frequency(MHz)	Rated Current(mA)Max	DC ( $\Omega$ )Max
JYDP0603F600Y	60 $\pm 25\%$	100	200	0.4
JYDP0603F800Y	80 $\pm 25\%$	100	200	0.6
JYDP0603F121Y	120 $\pm 25\%$	100	200	0.8
JYDP0603F241Y	240 $\pm 25\%$	100	200	1
JYDP0603F601Y	600 $\pm 25\%$	100	200	1.7

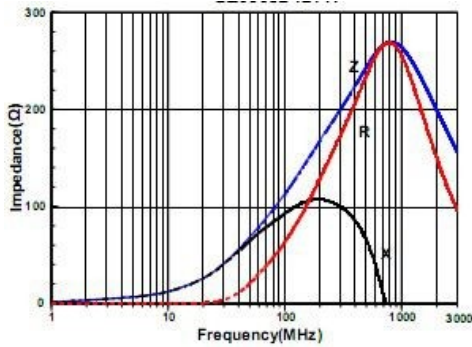
JYDP0603F600Y



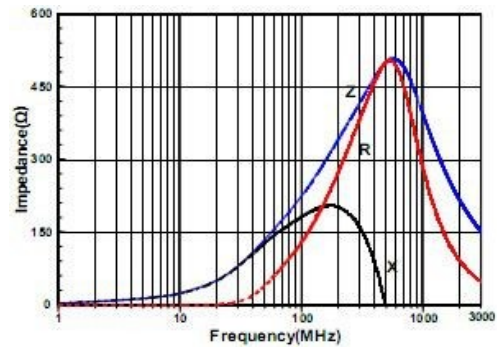
JYDP0603F800Y



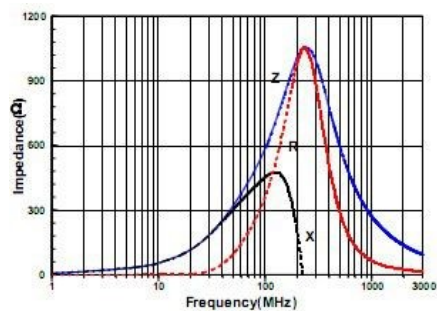
JYDP0603F121Y



JYDP0603F241Y



JYDP0603F601Y

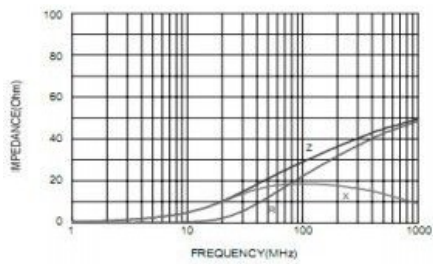


## Electrical Characteristics JYDP1005(0402) Series(10000pcs/reel)

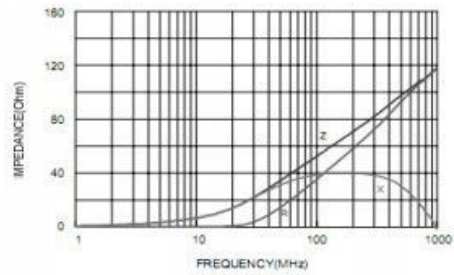
OPERATING TEMP. -40~85°C

Part NO	Impedance (( $\Omega \pm 25\%$ ))	Test Frequency(MHz)	Rated Current(mA)Max	DC ( $\Omega$ )Max
JYDP1005F000Y	0	100	500	0.2
JYDP1005F100Y	10	100	500	0.2
JYDP1005F300Y	30	100	500	0.25
JYDP1005F600Y	60	100	500	0.35
JYDP1005F750Y	75	100	500	0.35
JYDP1005F121Y	120	100	500	0.4
JYDP1005F181Y	180	100	400	0.7
JYDP1005F221Y	220	100	300	0.7
JYDP1005F301Y	300	100	300	0.8
JYDP1005F471Y	470	100	300	1
JYDP1005F601Y	600	100	300	0.6
JYDP1005F102Y	1000	100	200	1
JYDP1005F152Y	1500	100	150	1.5
JYDP1005F182Y	1800	100	50	1.5

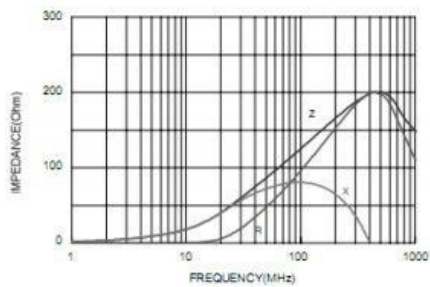
JYDP1005F300Y



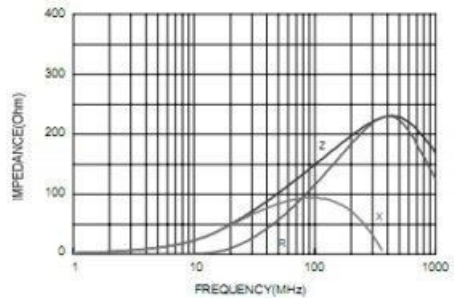
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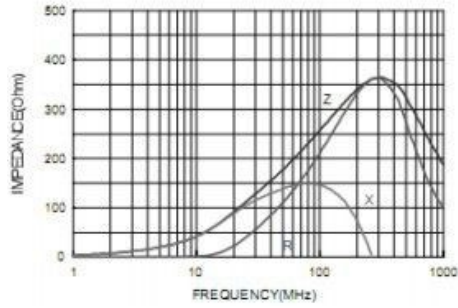
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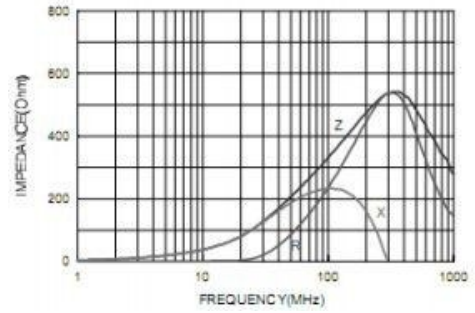
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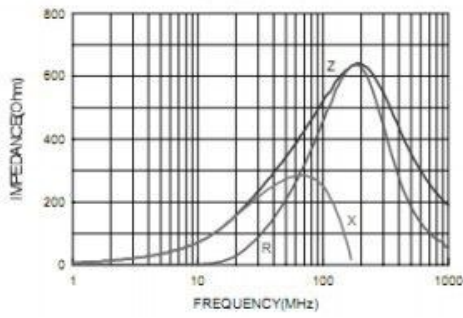
JYDP1005F221Y



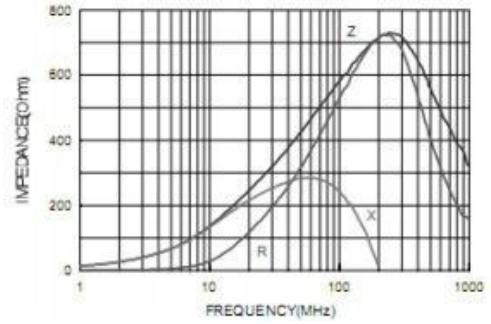
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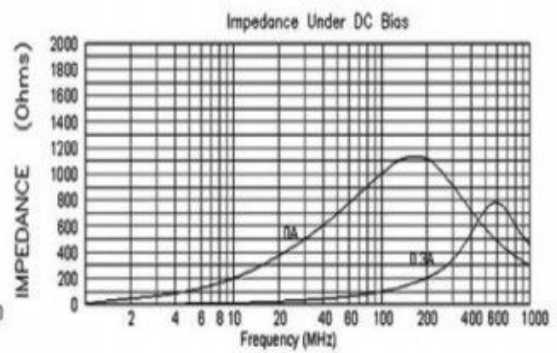
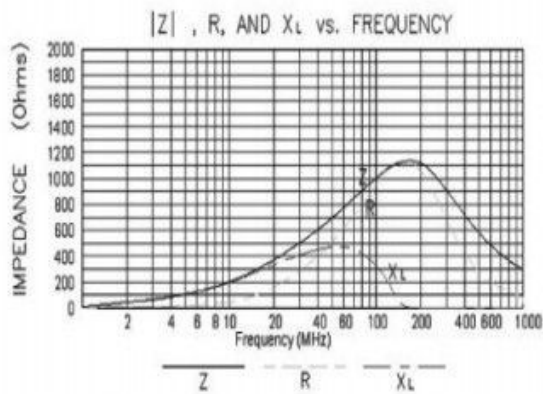
JYDP1005F471Y



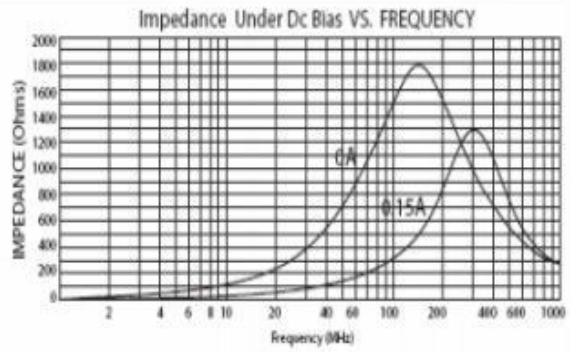
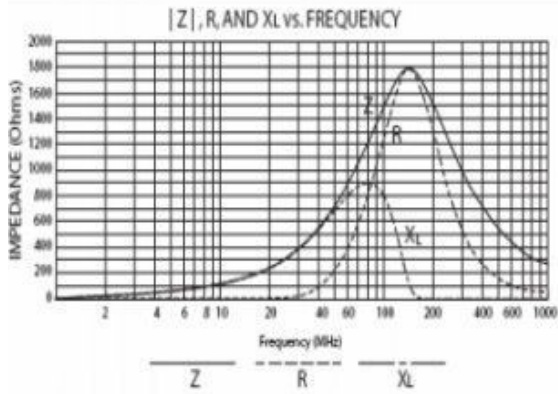
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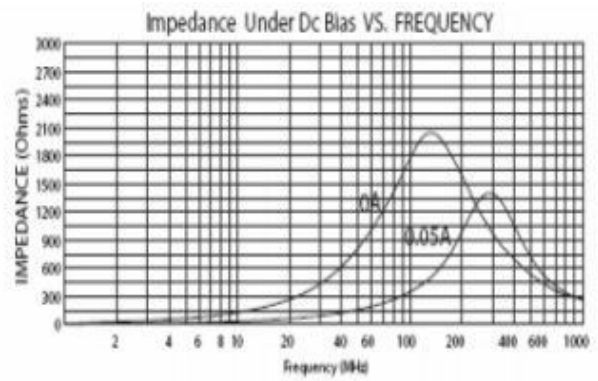
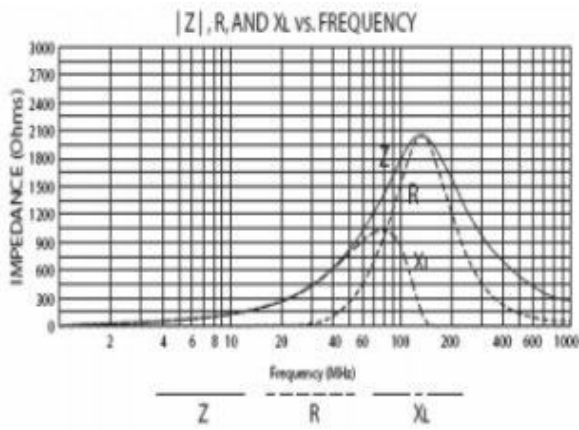
JYDP1005F102Y



JYDP1005F152Y



JYDP1005F182Y

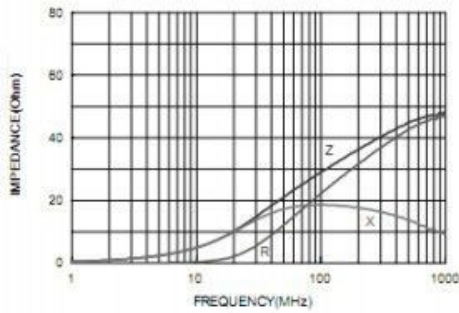


## Electrical Characteristics JYDP1608(0603) Series(4000pcs/reel)

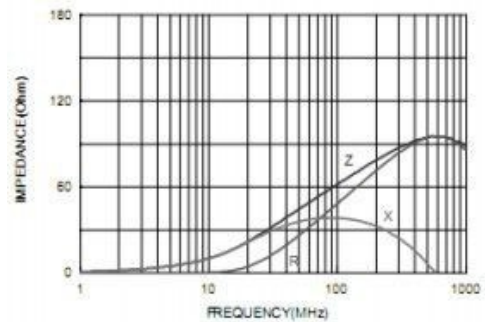
OPERATING TEMP. -40~85°C

Part NO	Impedance (Ohm)	Test Frequency(MHz)	Rated Current(mA)Max	DC (Ω)Max
JYDP1608F000Y	2 ~ 5	100	700	0.2
JYDP1608F100Y	10 ± 25%	100	700	0.2
JYDP1608F260Y	26 ± 25%	100	700	0.2
JYDP1608F600Y	60 ± 25%	100	700	0.2
JYDP1608F800Y	80 ± 25%	100	700	0.2
JYDP1608F101Y	100 ± 25%	100	600	0.25
JYDP1608F121Y	120 ± 25%	100	600	0.25
JYDP1608F151Y	150 ± 25%	100	600	0.25
JYDP1608F221Y	220 ± 25%	100	550	0.3
JYDP1608F301Y	300 ± 25%	100	500	0.35
JYDP1608F471Y	470 ± 25%	100	500	0.5
JYDP1608F601Y	600 ± 25%	100	300	0.6
JYDP1608F102Y	1000 ± 25%	100	200	0.7
JYDP1608F152Y	1500 ± 25%	100	200	1
JYDP1608F202Y	2000 ± 25%	100	150	1.2

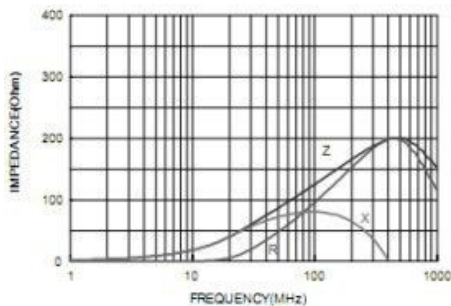
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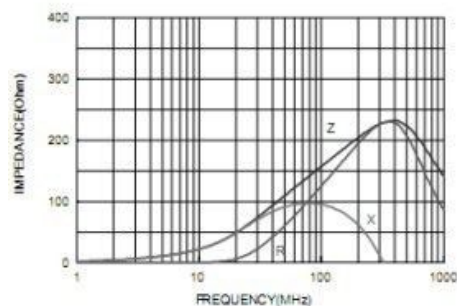
JYDP1608F600Y



JYDP1608F121Y

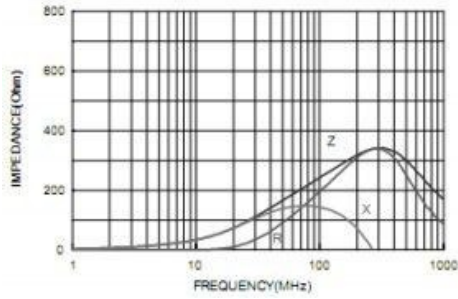


JYDP1608F151Y

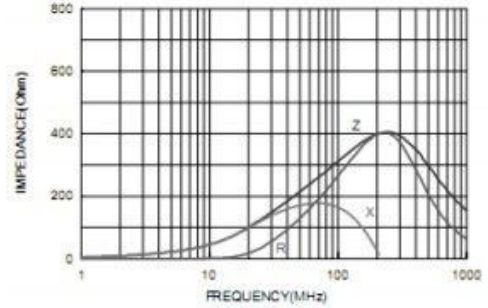




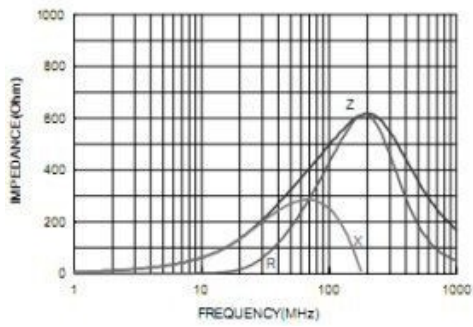
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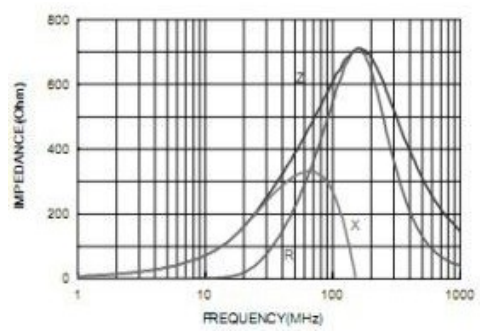
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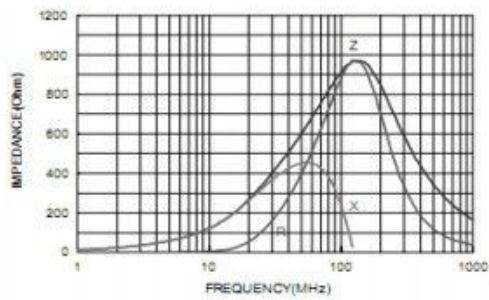
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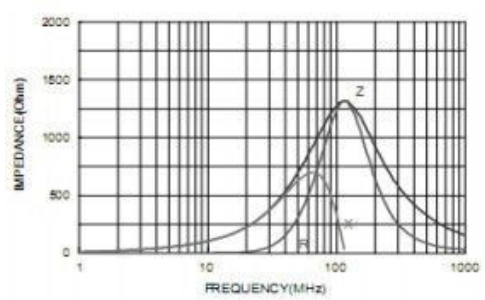
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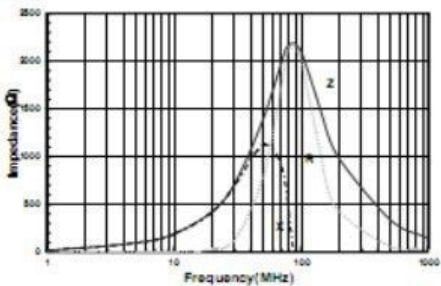
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JYDP1608F152Y



JYDP1608F202Y

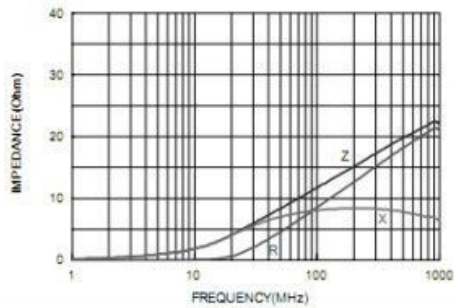


## Electrical Characteristics JYDP2012(0805) Series(4000pcs/reel)

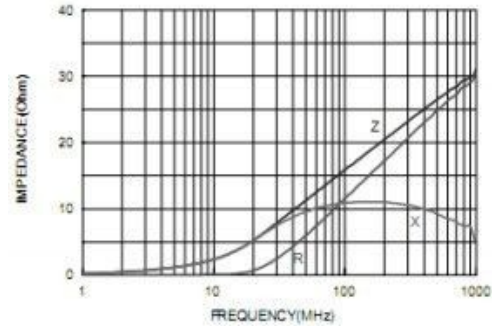
OPERATING TEMP. -40~85°C

Part NO	Impedance (Ohm)	Test Frequency(MHz)	Rated Current(mA)Max	DC (Ω)Max
JYDP2012F000Y	2 ~ 5	100	900	0.1
JYDP2012F100Y	10 ± 25%	100	900	0.1
JYDP2012F300Y	30 ± 25%	100	900	0.1
JYDP2012F600Y	60 ± 25%	100	900	0.1
JYDP2012F800Y	80 ± 25%	100	800	0.1
JYDP2012F101Y	100 ± 25%	100	700	0.2
JYDP2012F121Y	120 ± 25%	100	700	0.2
JYDP2012F151Y	150 ± 25%	100	700	0.2
JYDP2012F221Y	220 ± 25%	100	650	0.3
JYDP2012F301Y	300 ± 25%	100	600	0.3
JYDP2012F471Y	470 ± 25%	100	500	0.35
JYDP2012F601Y	600 ± 25%	100	450	0.4
JYDP2012F102Y	1000 ± 25%	100	400	0.45
JYDP2012F152Y	1500 ± 25%	100	350	0.5
JYDP2012F202Y	2000 ± 25%	100	250	0.6

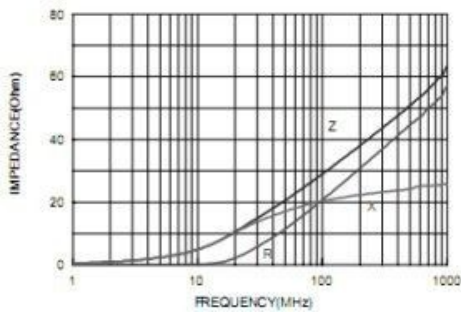
JYDP2012F000Y



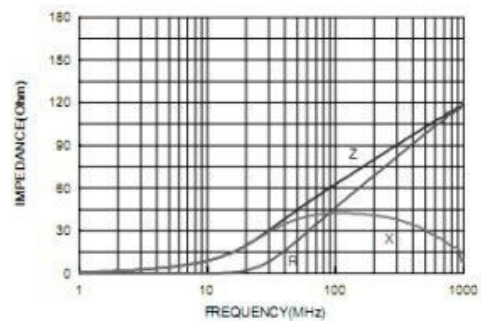
JYDP2012F100Y



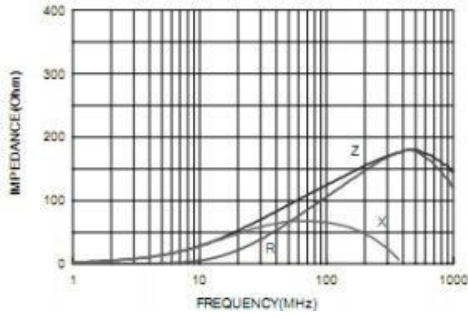
JYDP2012F300Y



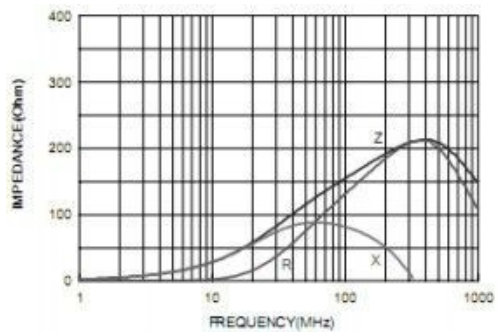
JYDP2012F600Y



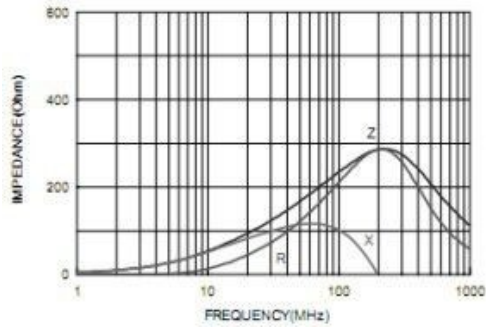
JYDP2012F121Y



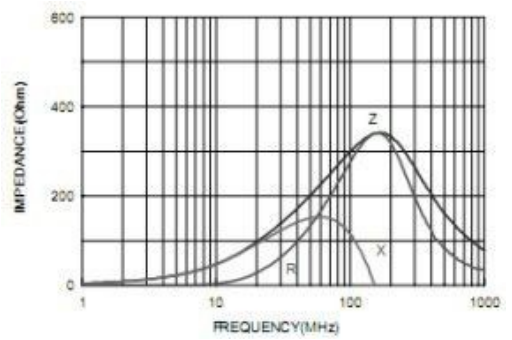
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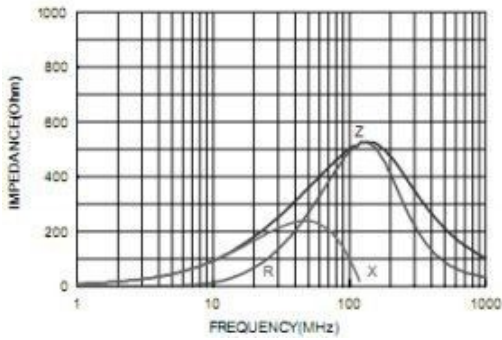
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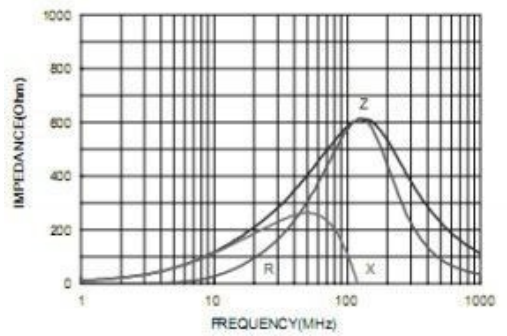
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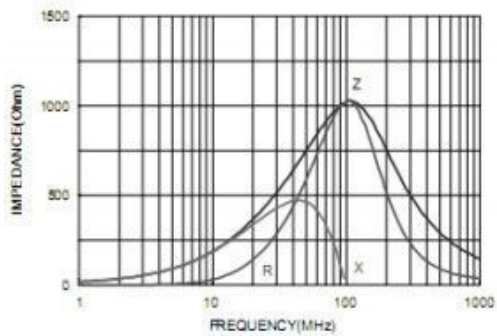
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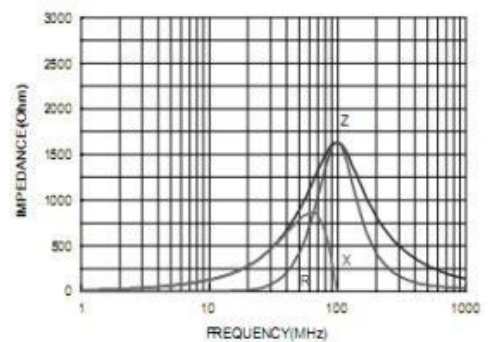
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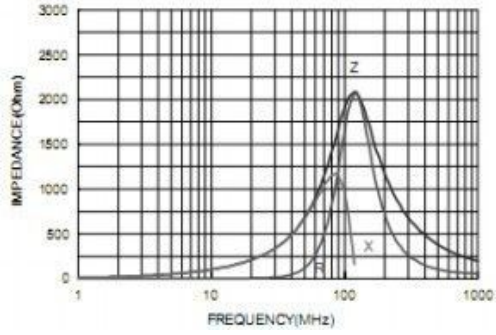


JYDP2012F152Y



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JYDP2012F202Y

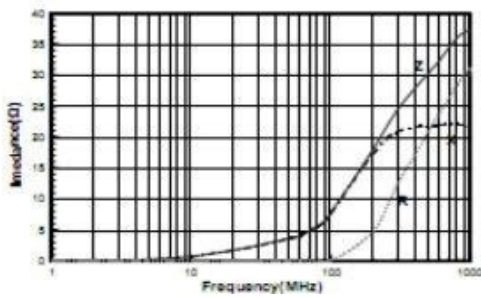


## Electrical Characteristics JYDP3216(1206) Series(4000pcs/reel)

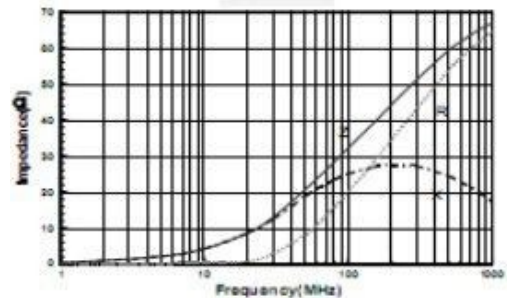
OPERATING TEMP. -40~85°C

Part NO	Impedance (Ohm)	Test Frequency(MHz)	Rated Current(mA)Max	DC (Ω)Max
JYDP3216F000Y	2 ~ 5	100	1000	0.2
JYDP3216F100Y	10 ± 25%	100	1000	0.2
JYDP3216F300Y	30 ± 25%	100	1000	0.2
JYDP3216F600Y	60 ± 25%	100	1000	0.2
JYDP3216F800Y	80 ± 25%	100	1000	0.2
JYDP3216F101Y	100 ± 25%	100	900	0.15
JYDP3216F121Y	120 ± 25%	100	900	0.15
JYDP3216F151Y	150 ± 25%	100	900	0.15
JYDP3216F221Y	220 ± 25%	100	700	0.35
JYDP3216F301Y	300 ± 25%	100	700	0.35
JYDP3216F471Y	470 ± 25%	100	400	0.35
JYDP3216F601Y	600 ± 25%	100	400	0.4
JYDP3216F102Y	1000 ± 25%	100	300	0.6
JYDP3216F152Y	1500 ± 25%	100	300	0.7
JYDP3216F202Y	2000 ± 25%	100	300	0.7

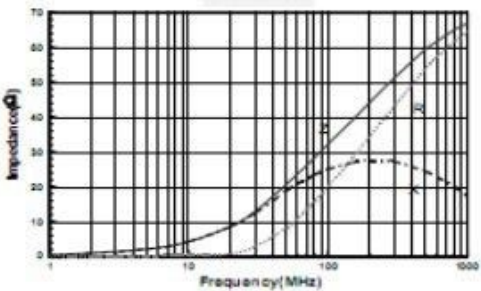
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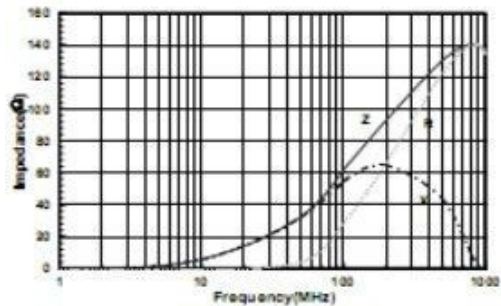
JYDP3216F100Y



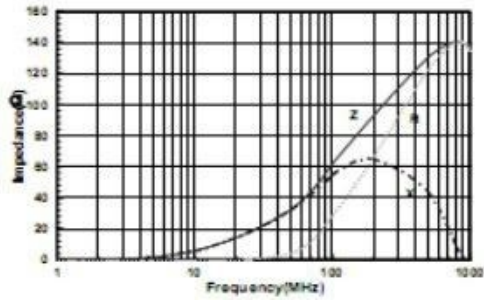
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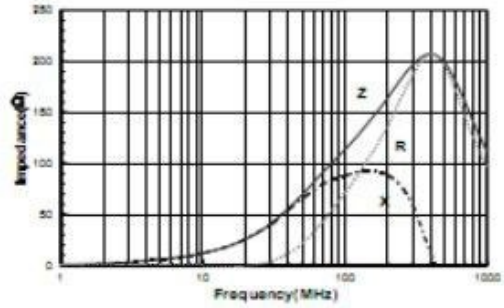
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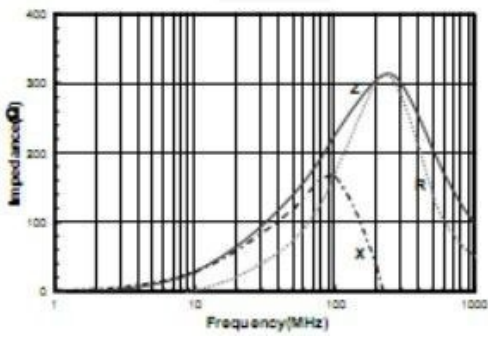
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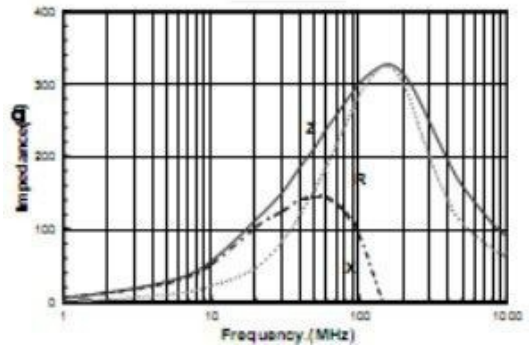
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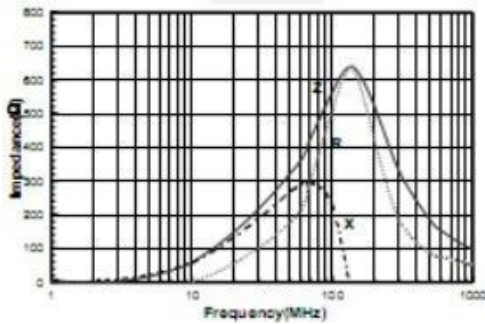
JYDP3216F221Y



JYDP3216F301Y



JYDP3216F601Y



JYDP3216F102Y

