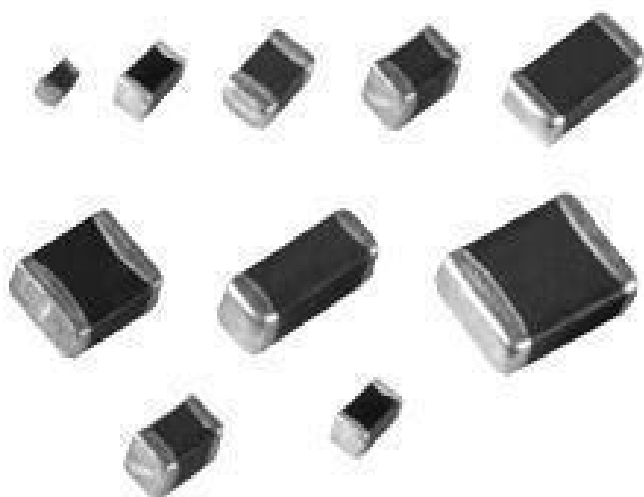




ELECTRONIC COMPANY

SMD Multilayer Ferrite Chip Beads

DBUP SERIES(FOR POWER SUPPLIES)



FEATURES/APPLICATOINS

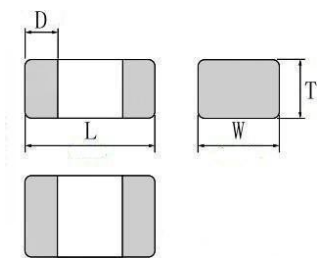
- .Carrier tape packing use for SMT
- .Can be used in a wide range of frequency to suppress EMI
- .Excellent solder ability
- .Suitable for reflow STM craft soldering
- .Lead free products, ROHS compliant
- .Widely use in Noise suppression in Digital equipment such as Computer peripheral devices /VCR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

PRODUCT INDICATION

J Y U P **1608** **F** **101** **Y**
 ① ② ③ ④ ⑤

- ① Product type: DBUP 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 $\pm 25\%$

SHAPE AND DIMENSIONS



Unit:mm

Part No.	L	W	T	D
0603 (0201)	0.6 $\pm$ 0.05 (0.024 $\pm$ 0.002)	0.3 $\pm$ 0.05 (0.012 $\pm$ 0.002)	0.3 $\pm$ 0.05 (0.012 $\pm$ 0.002)	0.15 $\pm$ 0.05 (0.006 $\pm$ 0.002)
1005 (0402)	1.0 $\pm$ 0.15 (0.040 $\pm$ 0.006)	0.5 $\pm$ 0.15 (0.020 $\pm$ 0.006)	0.5 $\pm$ 0.15 (0.020 $\pm$ 0.006)	0.25 $\pm$ 0.10 (0.010 $\pm$ 0.004)
1608 (0603)	1.6 $\pm$ 0.2 (0.063 $\pm$ 0.008)	0.8 $\pm$ 0.2 (0.031 $\pm$ 0.008)	0.8 $\pm$ 0.2 (0.031 $\pm$ 0.008)	0.3 $\pm$ 0.2 (0.01 $\pm$ 0.008)
2012 (0805)	2.0 $\pm$ 0.2 (0.079 $\pm$ 0.008)	1.2 $\pm$ 0.2 (0.047 $\pm$ 0.008)	0.9 $\pm$ 0.2 (0.035 $\pm$ 0.008)	0.5 $\pm$ 0.3 (0.020 $\pm$ 0.012)
3216 (1206)	3.2 $\pm$ 0.2 (0.126 $\pm$ 0.008)	1.6 $\pm$ 0.2 (0.063 $\pm$ 0.008)	0.9 $\pm$ 0.2 (0.035 $\pm$ 0.008)	0.5 $\pm$ 0.3 (0.020 $\pm$ 0.012)
3225 (1210)	3.2 $\pm$ 0.2 (0.126 $\pm$ 0.008)	2.0 $\pm$ 0.2 (0.098 $\pm$ 0.008)	1.3 $\pm$ 0.2 (0.063 $\pm$ 0.008)	0.5 $\pm$ 0.3 (0.020 $\pm$ 0.012)
4516 (1806)	4.5 $\pm$ 0.2 (0.186 $\pm$ 0.008)	1.6 $\pm$ 0.2 (0.063 $\pm$ 0.008)	1.6 $\pm$ 0.2 (0.063 $\pm$ 0.008)	0.5 $\pm$ 0.3 (0.020 $\pm$ 0.012)
4532 (1812)	4.5 $\pm$ 0.2 (0.180 $\pm$ 0.008)	3.2 $\pm$ 0.2 (0.126 $\pm$ 0.008)	1.5 $\pm$ 0.2 (0.060 $\pm$ 0.008)	0.5 $\pm$ 0.3 (0.020 $\pm$ 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.

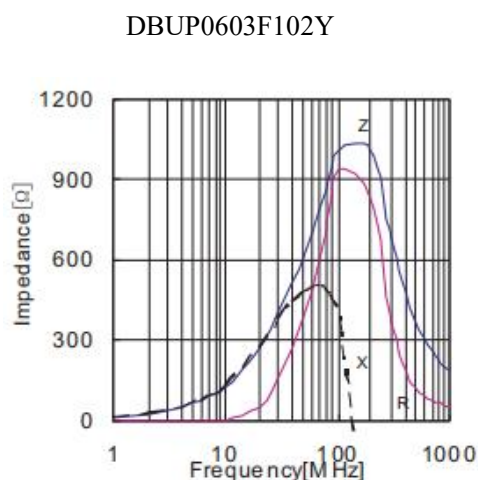
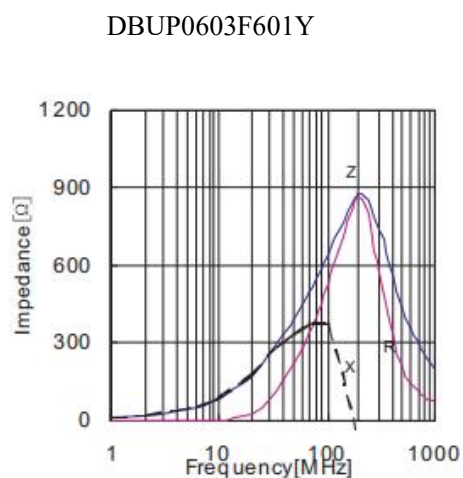
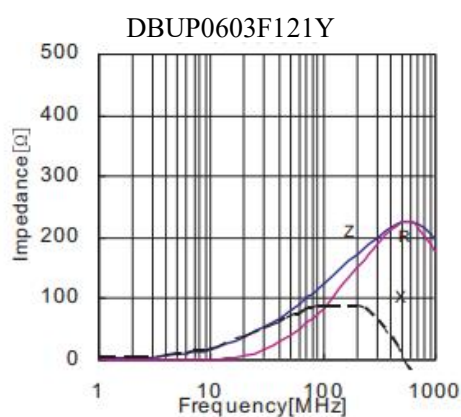
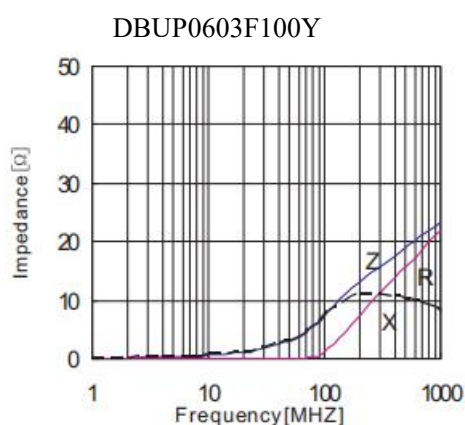
-

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 DBUP0603(0201) Series(15000pcs/reel)

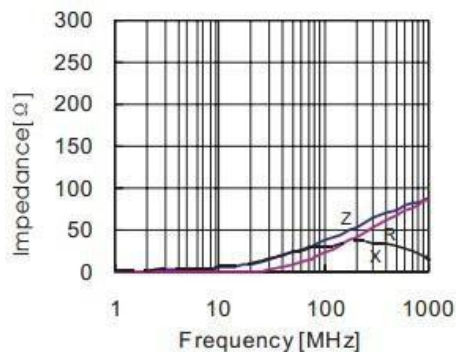
Part NO	Impedance ($\Omega \pm 25\%$)	Test FreqFency(MHz)	Rated CFrrrent(mA)Max	DC (Ω)Max
DBUP0603F100Y	0~11	100	2500	0.045
DBUP0603F300Y	30 $\pm 25\%$	100	2000	0.045
DBUP0603F600Y	60 $\pm 25\%$	100	1800	0.06
DBUP0603F121Y	120 $\pm 25\%$	100	1000	0.135
DBUP0603F221Y	220 $\pm 25\%$	100	800	0.185
DBUP0603F301Y	300 $\pm 25\%$	100	500	0.45
DBUP0603F501Y	500 $\pm 25\%$	100	400	0.65
DBUP0603F601Y	600 $\pm 25\%$	100	400	0.8
DBUP0603F102Y	1000 $\pm 25\%$	100	350	0.95



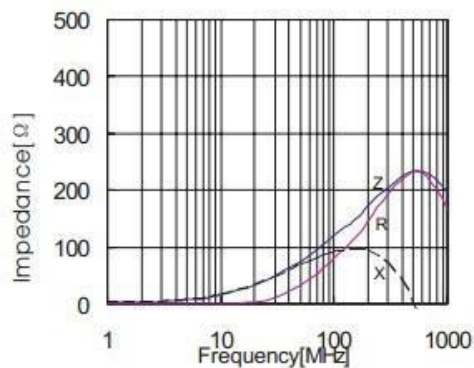
Electrical Characteristics DBUP1005(0402) Series(10000pcs/reel)

Part NO	Impedance ($\Omega \pm 25\%$)	Test FreqFency(MHz)	Rated CFrrrent(mA)Max	DC (Ω)Max
DBUP1005F100Y	0~11	100	2500	0.02
DBUP1005F190Y	12~25	100	2500	0.02
DBUP1005F260Y	26 $\pm 25\%$	100	2000	0.04
DBUP1005F300Y	30 $\pm 25\%$	100	2000	0.06
DBUP1005F600Y	60 $\pm 25\%$	100	1500	0.07
DBUP1005F101Y	100 $\pm 25\%$	100	1500	0.08
DBUP1005F121Y	120 $\pm 25\%$	100	1500	0.08
DBUP1005F151Y	150 $\pm 25\%$	100	1500	0.09
DBUP1005F221Y	220 $\pm 25\%$	100	1500	0.09
DBUP1005F331Y	330 $\pm 25\%$	100	1500	0.1
DBUP1005F471Y	470 $\pm 25\%$	100	1200	0.15
DBUP1005F601Y	600 $\pm 25\%$	100	1000	0.2
DBUP1005F102Y	1000 $\pm 25\%$	100	500	0.25

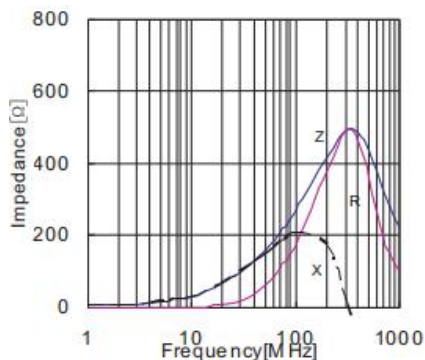
DBUP1005F300Y



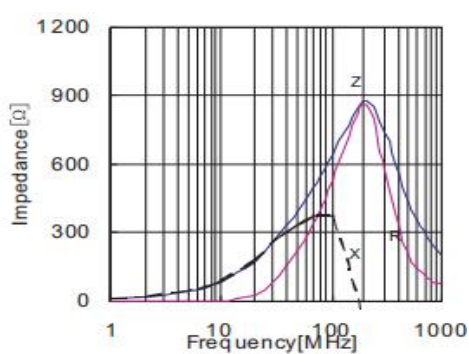
DBUP1005F121Y



DBUP1005F331Y



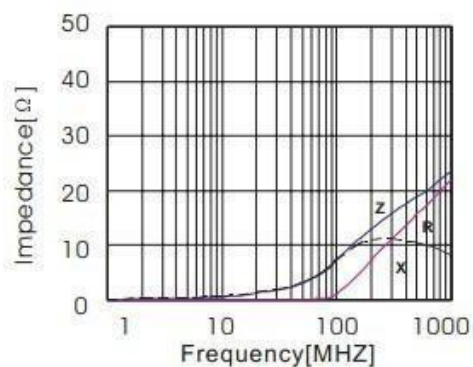
DBUP1005F601Y



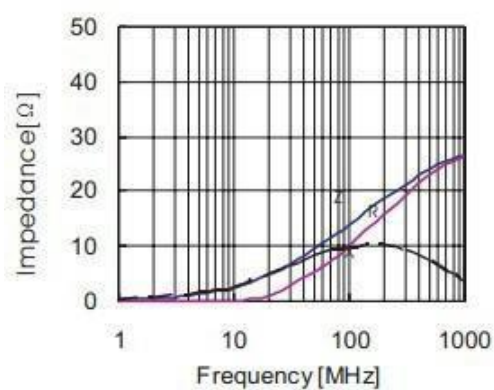
Electrical Characteristics DBUP1608(0603) Series(4000pcs/reel)

Part NO	Impedance ($\Omega \pm 25\%$)	Test FreqFency(MHz)	DC (Ω)Max	Rated CFrrent(mA)Max
DBUP1608F110Y	11	100	0.015	4,500
DBUP1608F170Y	17	100	0.015	4,500
DBUP1608F250Y	25	100	0.015	4,500
DBUP1608F300Y	30	100	0.015	4,500
DBUP1608F600Y	60	100	0.06	4,000
DBUP1608F101Y	100	100	0.06	3,500
DBUP1608F121Y	120	100	0.065	3,000
DBUP1608F151Y	150	100	0.07	3,000
DBUP1608F181Y	180	100	0.09	2,500
DBUP1608F221Y	220	100	0.12	2,500
DBUP1608F301Y	300	100	0.18	2,000
DBUP1608F331Y	330	100	0.18	2,000
DBUP1608F601Y	600	100	0.18	1,500
DBUP1608F102Y	102	100	0.23	1,200

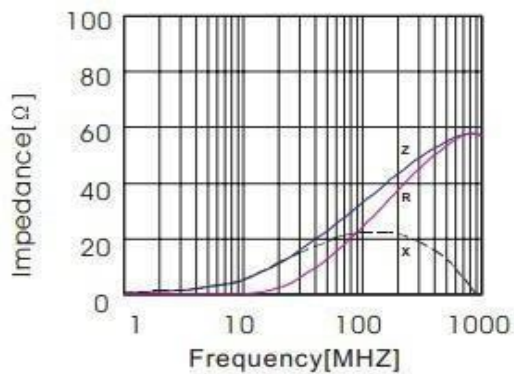
DBUP1608F110Y



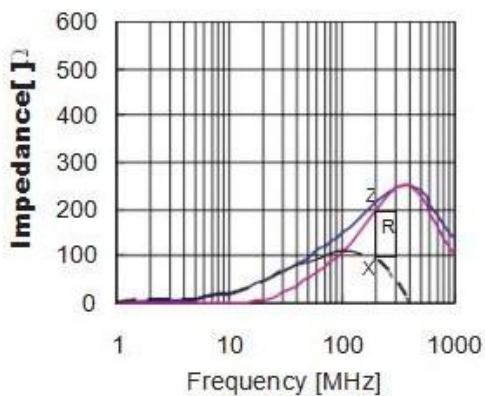
DBUP1608F170Y



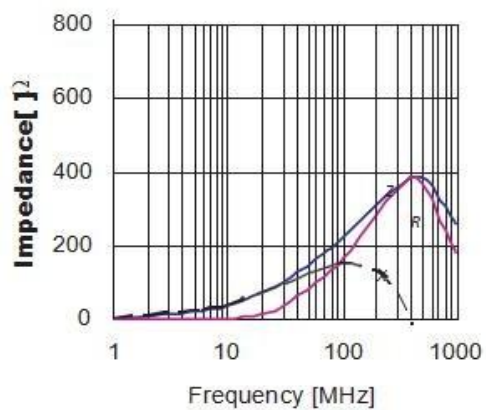
DBUP1608F300Y



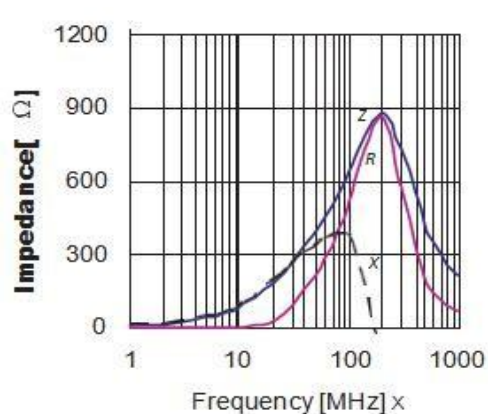
DBUP1608F151Y



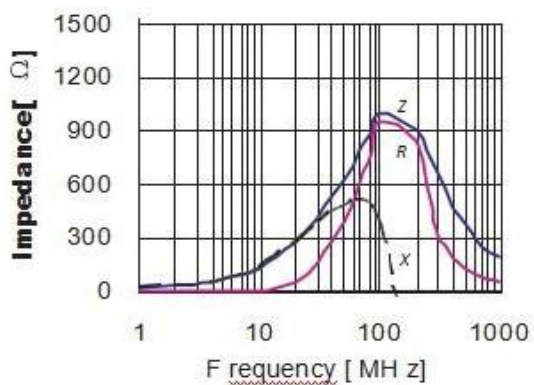
DBUP1608F221Y



DBUP1608F601Y



DBUP1608F102Y

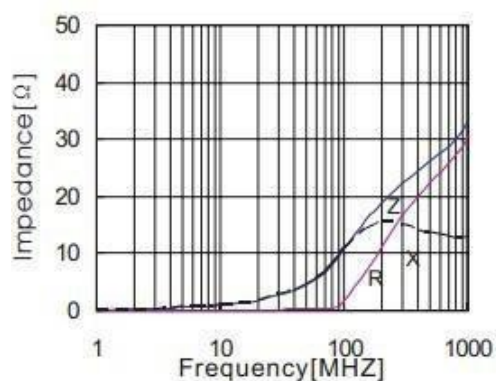


Electrical Characteristics DBUP2012(0805) Series(4000pcs/reel)

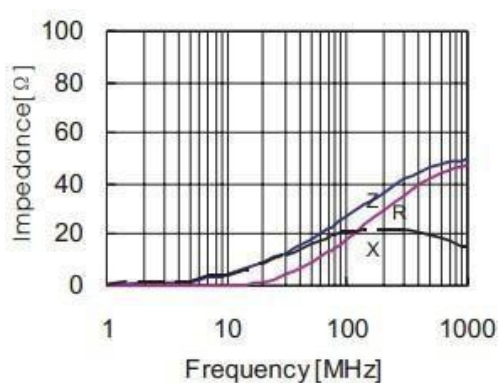
Part NO	Impedance ($\Omega \pm 25\%$)	Test FreqFency(MHz)	DC (Ω)Max	Rated CFrrent(mA)Max
DBUP2012F110Y	11	100	0.015	6,000
DBUP2012F150Y	15	100	0.015	6,000
DBUP2012F190Y	19	100	0.015	6,000
DBUP2012F260Y	26	100	0.015	6,000
DBUP2012F300Y	30	100	0.015	6,000
DBUP2012F330Y	33	100	0.015	6,000
DBUP2012F400Y	40	100	0.015	6,000
DBUP2012F500Y	50	100	0.03	6,000
DBUP2012F800Y	80	100	0.04	6,000
DBUP2012F121Y	120	100	0.05	6,000
DBUP2012F221Y	220	100	0.05	3,000
DBUP2012F471Y	470	100	0.08	2,500
DBUP2012F601Y	600	100	0.01	2,000

FERRITE CHIP BEADS

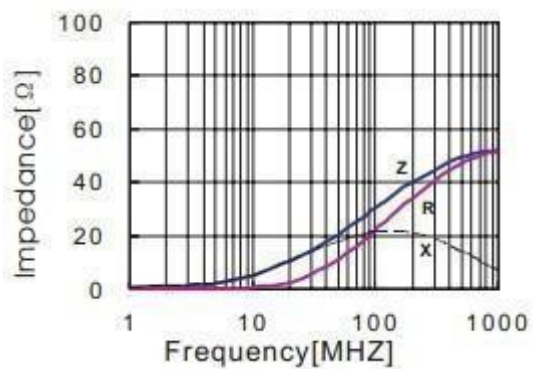
DBUP2012F110Y



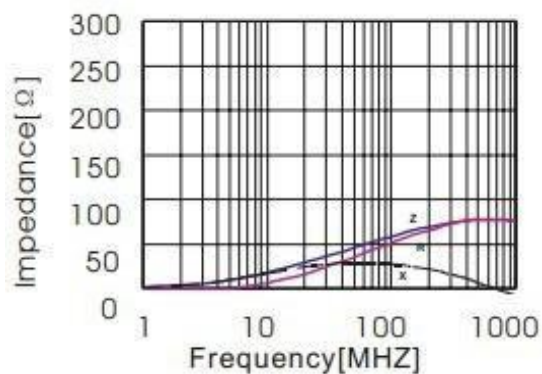
DBUP2012F260Y



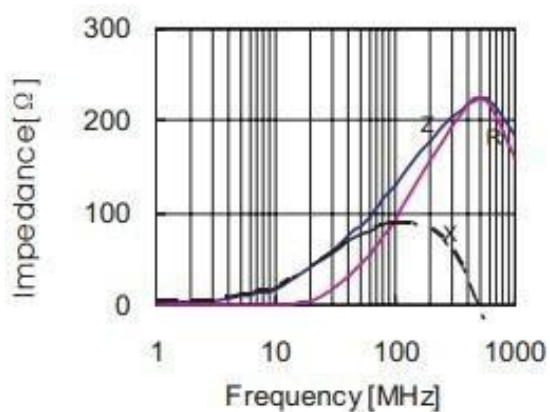
DBUP2012F300Y



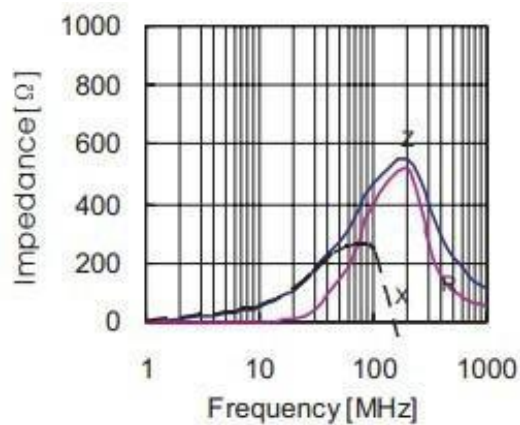
DBUP2012F800Y



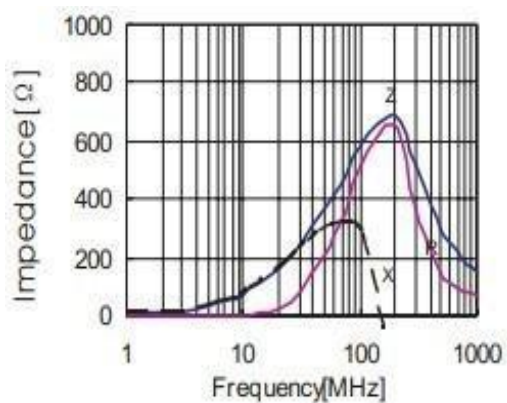
DBUP2012F121Y



DBUP2012F471Y



DBUP2012F601Y

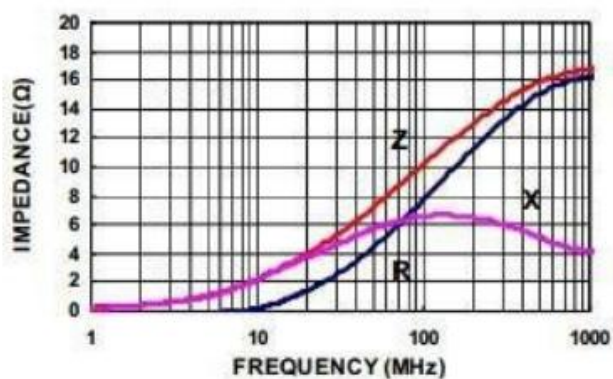


Electrical Characteristics DBUP3216(1206) Series(3000pcs/reel)

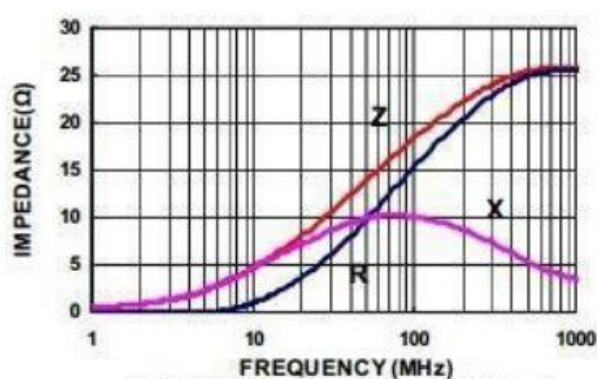
Part NO	Impedance ($\Omega \pm 25\%$)	Test FreqFency(MHz)	DC (Ω)Max	Rated CFrrent(mA)Max
DBUP3216F110Y	11	100	0.012	6,000
DBUP3216F190Y	19	100	0.012	6,000
DBUP3216F260Y	26	100	0.012	6,000
DBUP3216F330Y	33	100	0.012	6,000
DBUP3216F400Y	40	100	0.012	6,000
DBUP3216F600Y	60	100	0.012	6,000
DBUP3216F700Y	70	100	0.012	6,000
DBUP3216F800Y	80	100	0.012	6,000
DBUP3216F101Y	100	100	0.012	6,000
DBUP3216F121Y	120	100	0.012	6,000
DBUP3216F151Y	150	100	0.02	4,500
DBUP3216F391Y	390	100	0.05	3,000
DBUP3216F601Y	600	100	0.05	3,000

FERRITE CHIP BEADS

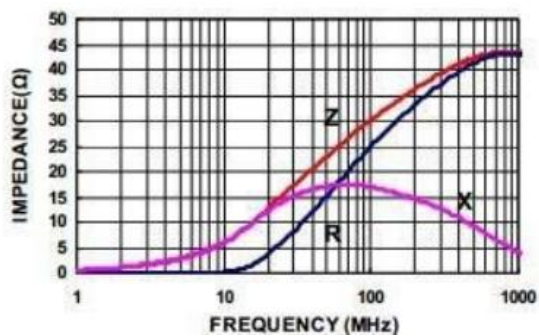
DBUP3216F110Y



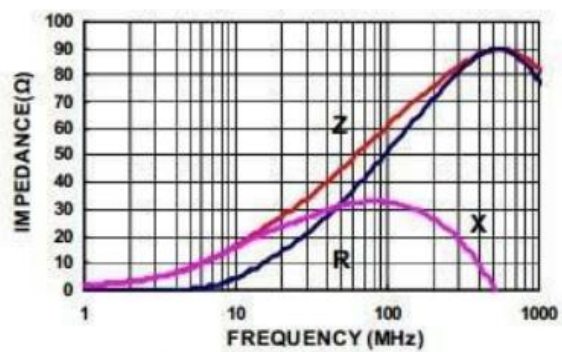
DBUP3216F190Y



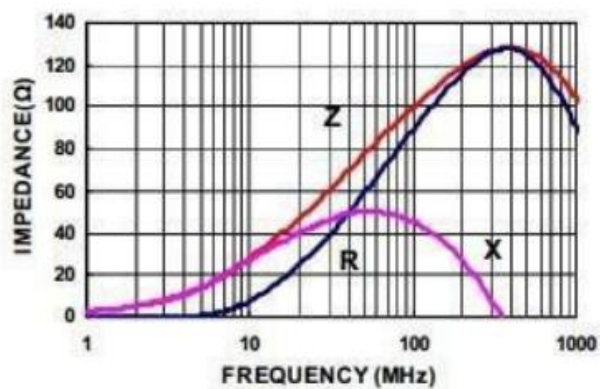
DBUP3216F330Y



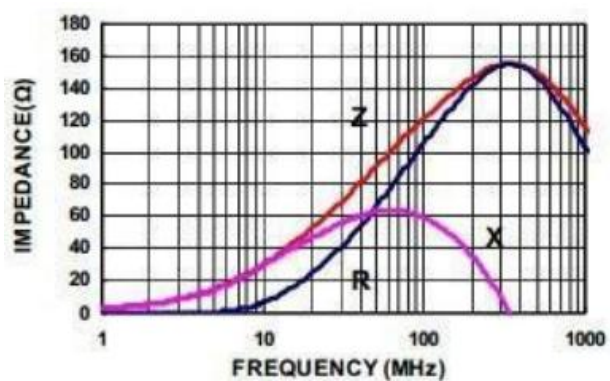
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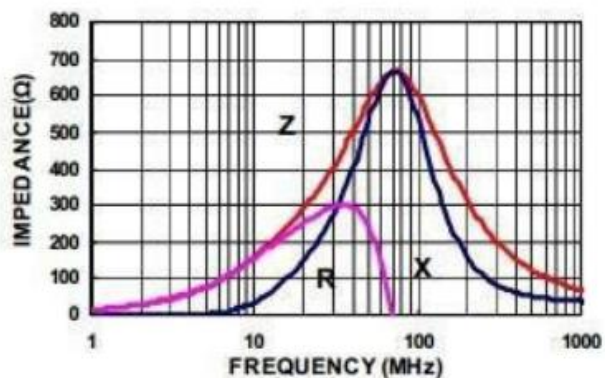
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DBUP3216F121Y



DBUP3216F601Y

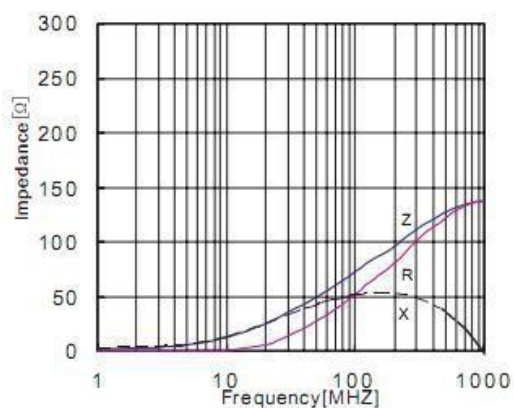


Electrical Characteristics DBUP4516(1806) Series(2000pcs/reel)

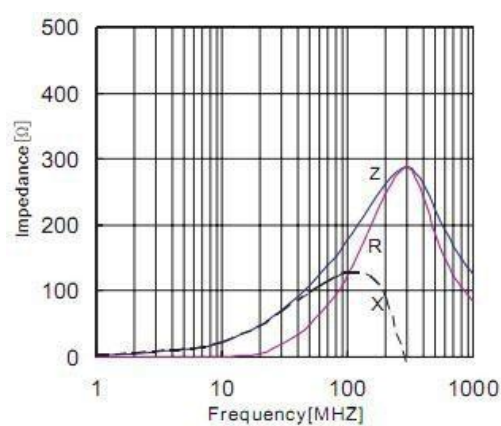
Part NO	Impedance ($\Omega \pm 25\%$)	Test FreqFency(MHz)	DC (Ω)Max	Rated CFrrrent(mA)Max
DBUP4516F600Y	60	100	0.012	7,000
DBUP4516F750Y	75	100	0.015	3,500
DBUP4516F181Y	180	100	0.02	3,500
DBUP4516F471Y	470	100	0.05	2,000
DBUP4516F102Y	1000	100	0.09	1,500

FERRITE CHIP BEADS

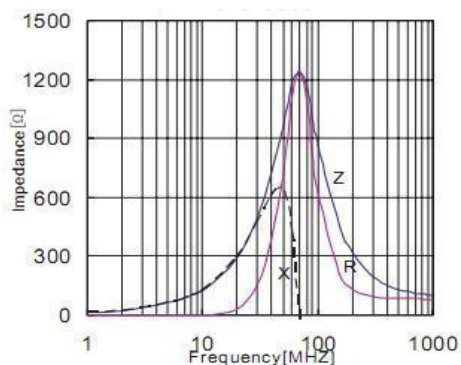
DBUP4516F600Y



DBUP4516F181Y



DBUP'4516F102Y





ELECTRONIC COMPANY

Electrical Characteristics DBUP4532(1812) Series(1000pcs/reel)

Part NO	Impedance ($\Omega \pm 25\%$)	Test FreqFency(MHz)	DC (Ω)Max	Rated CFrrent(mA)Max
DBUP4532F700Y	100	70	0.01	9,000

FERRITE CHIP BEADS

DBUP4532F700Y

