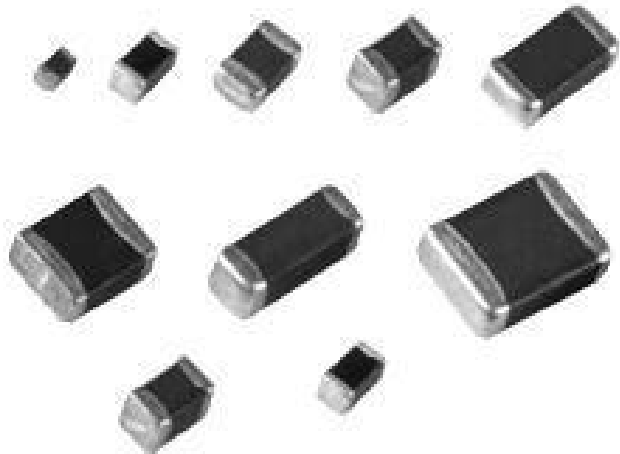




ELECTRONIC COMPANY

SMD Multilayer Ferrite Chip Beads

DBMS 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

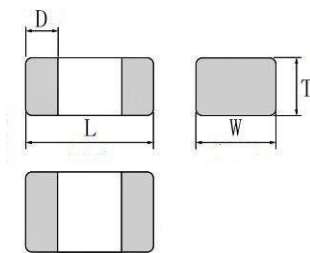
DBMS0603.....
DBMS1005.....
DBMS1608.....
DBMS2012.....
DBMS3216.....

PRODUCT INDICATION

DB MS **1608** **F** **101** **Y**
 ① ② ③ ④ ⑤

- ① Product type: DBMS 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℃ ,
the lesser of the minimum as the rated current.

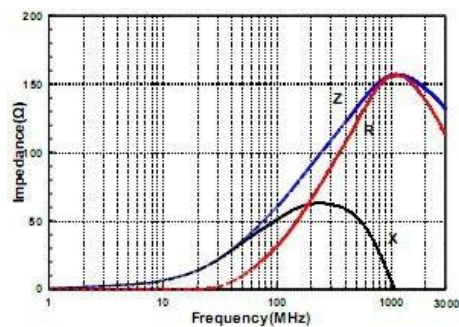
Temperature storage:-25~80 ; the relative humidity : RH65%~85%

Electrical Characteristics DBMS0603(0201) Series(15000pcs/reel)

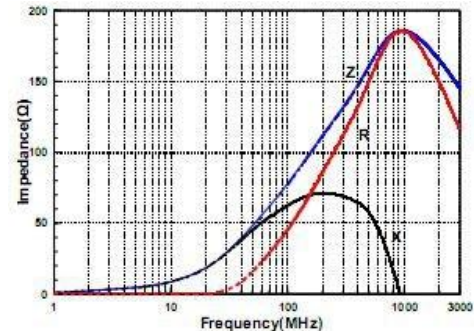
OPEARATING TEMP. -40~85℃

Part NO	Impedance ($\Omega \pm 25\%$)	Test Frequency(MHz)	Rated Current(mA)Max	DC (Ω)Max
DBMS0603F600Y	60 $\pm 25\%$	100	200	0.4
DBMS0603F800Y	80 $\pm 25\%$	100	200	0.6
DBMS0603F121Y	120 $\pm 25\%$	100	200	0.8
DBMS0603F241Y	240 $\pm 25\%$	100	200	1
DBMS0603F601Y	600 $\pm 25\%$	100	200	1.7

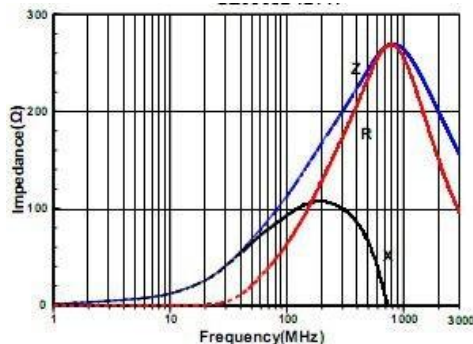
DBMS0603F600Y



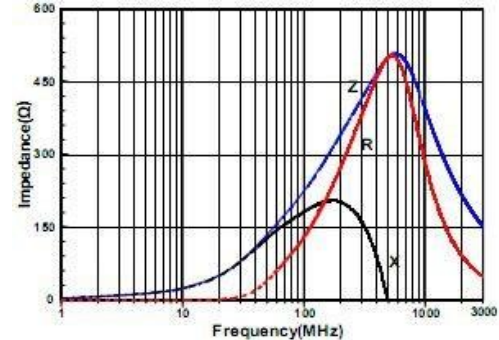
DBMS0603F800Y



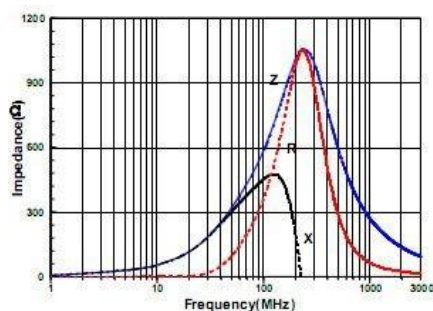
DBMS0603F121Y



DBMS0603F241Y



DBMS0603F601Y



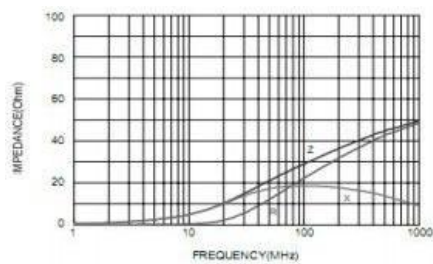


Electrical Characteristics DBMS1005(0402) Series(10000pcs/reel)

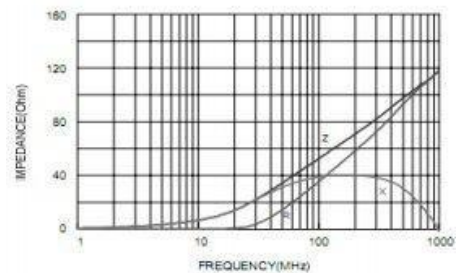
OPERATING TEMP. -40~85℃

Part NO	Impedance ($\Omega \pm 25\%$)	Test Frequency(MHz)	Rated Current(mA)Max	DC (Ω)Max
DBMS1005F000Y	0	100	500	0.2
DBMS1005F100Y	10	100	500	0.2
DBMS1005F300Y	30	100	500	0.25
DBMS1005F600Y	60	100	500	0.35
DBMS1005F750Y	75	100	500	0.35
DBMS1005F121Y	120	100	500	0.4
DBMS1005F181Y	180	100	500	0.7
DBMS1005F221Y	220	100	500	0.7
DBMS1005F301Y	300	100	500	0.8
DBMS1005F471Y	470	100	400	1
DBMS1005F601Y	600	100	300	0.6
DBMS1005F102Y	1000	100	200	1
DBMS1005F152Y	1500	100	150	1.5
DBMS1005F182Y	1800	100	50	1.5

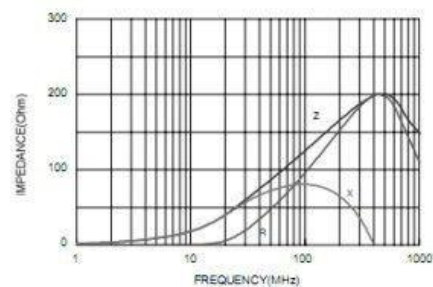
DBMS1005F300Y



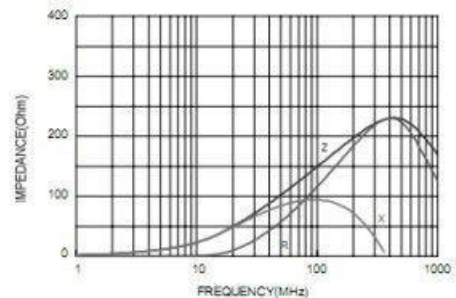
DBMS1005F600Y



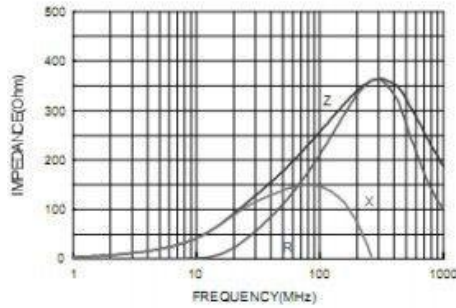
DBMS1005F121Y



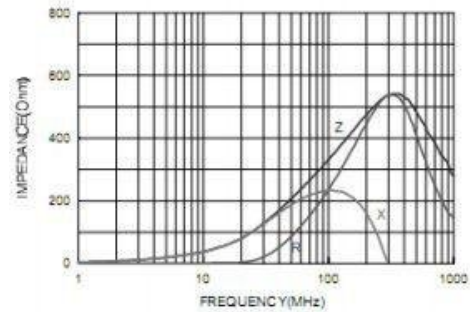
DBMS1005F181Y



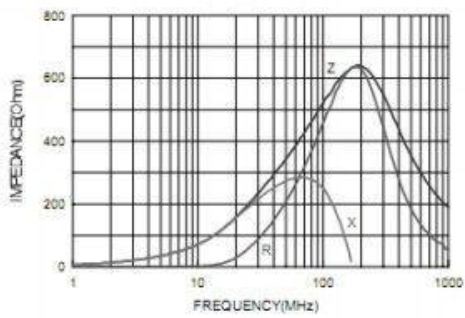
DBMS1005F221Y



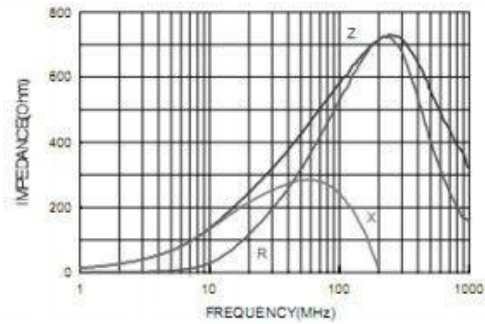
DBMS1005F301Y



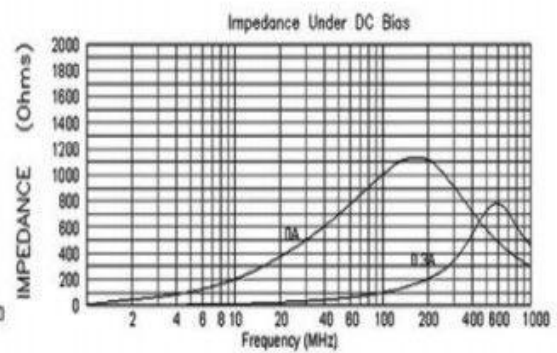
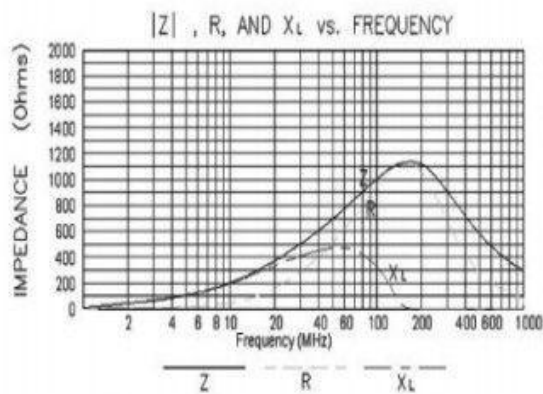
DBMS1005F471Y



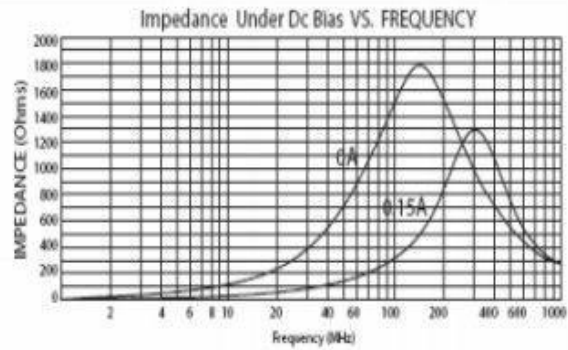
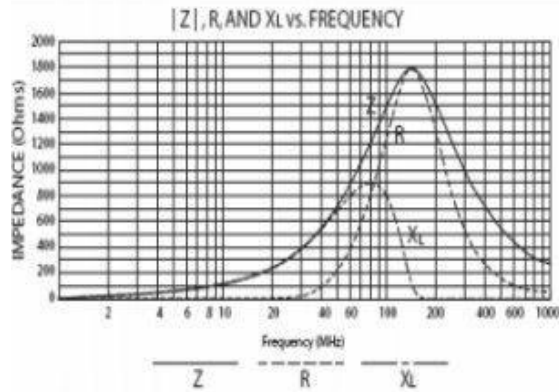
DBMS1005F601Y



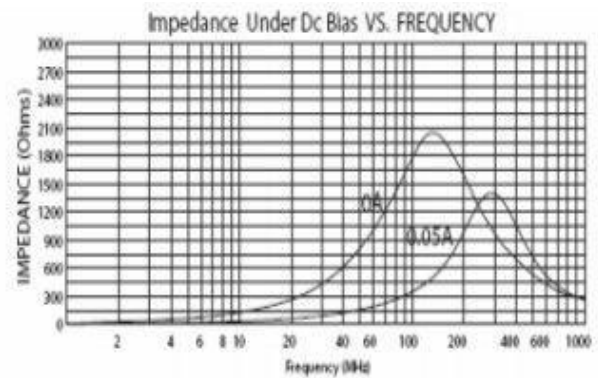
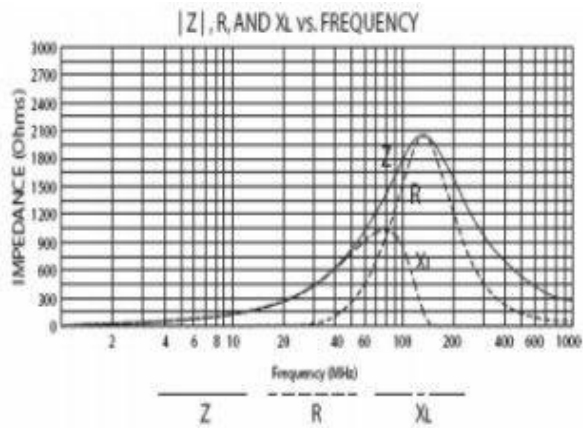
DBMS1005F102Y



DBMS1005F152Y



DBMS1005F182Y

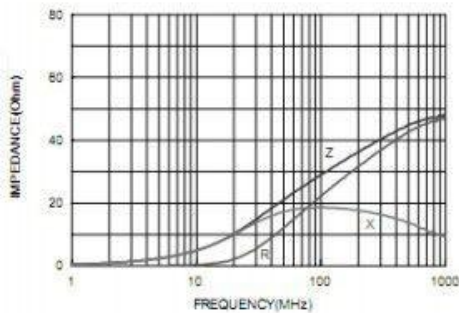


Electrical Characteristics DBMS1608(0603) Series(4000pcs/reel)

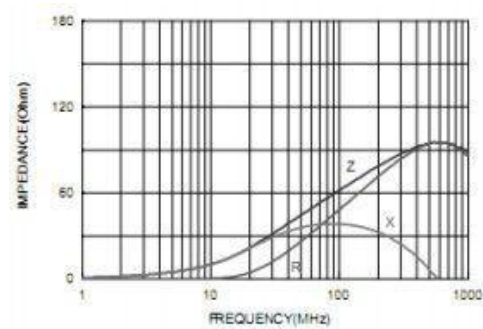
OPERATING TEMP. -40~85℃

Part NO	Impedance (Ω)	Test Frequency(MHz)	Rated Current(mA)Max	DC (Ω)Max
DBMS1608F000Y	2 ~ 5	100	700	0.2
DBMS1608F100Y	10 ± 25%	100	700	0.2
DBMS1608F300Y	30 ± 25%	100	700	0.2
DBMS1608F600Y	60 ± 25%	100	700	0.2
DBMS1608F800Y	80 ± 25%	100	700	0.2
DBMS1608F101Y	100 ± 25%	100	600	0.25
DBMS1608F121Y	120 ± 25%	100	600	0.25
DBMS1608F151Y	150 ± 25%	100	600	0.25
DBMS1608F221Y	220 ± 25%	100	550	0.3
DBMS1608F331Y	330 ± 25%	100	500	0.35
DBMS1608F471Y	470 ± 25%	100	500	0.5
DBMS1608F601Y	600 ± 25%	100	300	0.6
DBMS1608F102Y	1000 ± 25%	100	200	0.7
DBMS1608F152Y	1500 ± 25%	100	200	1
DBMS1608F202Y	2000 ± 25%	100	150	1.2

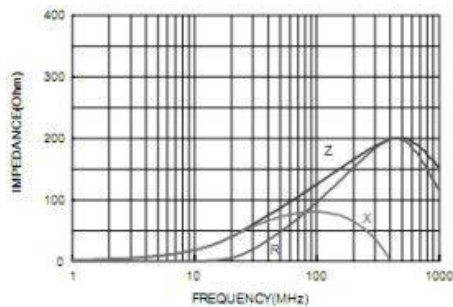
DBMS1608F300Y



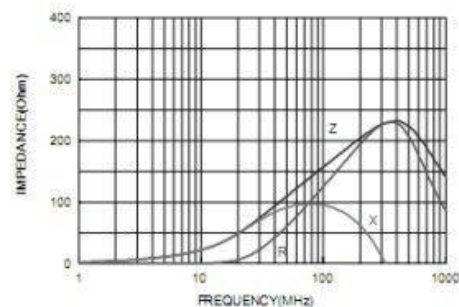
DBMS1608F600Y



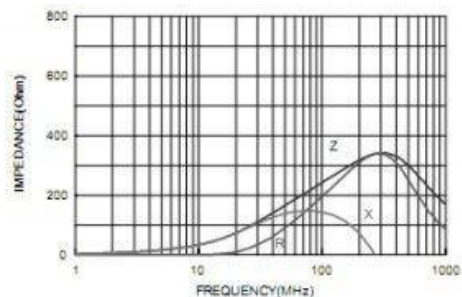
DBMS1608F121Y



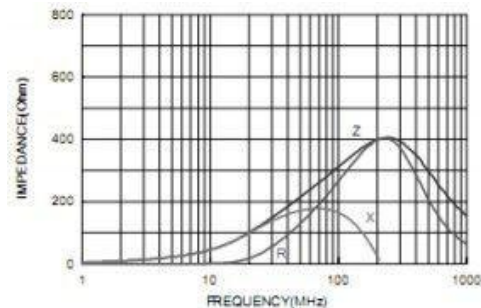
DBMS1608F151Y



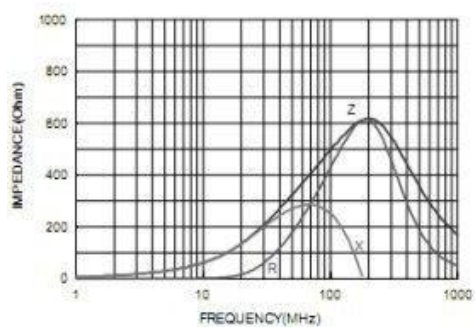
DBMS1608F221Y



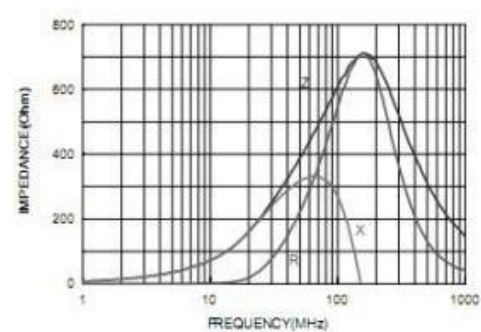
DBMS1608F331Y



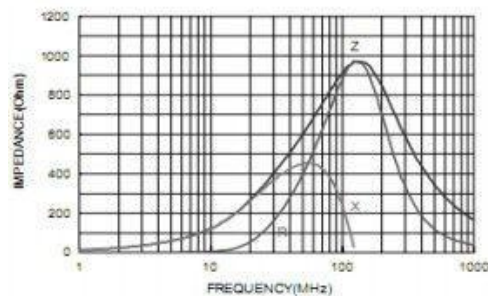
DBMS1608F471Y



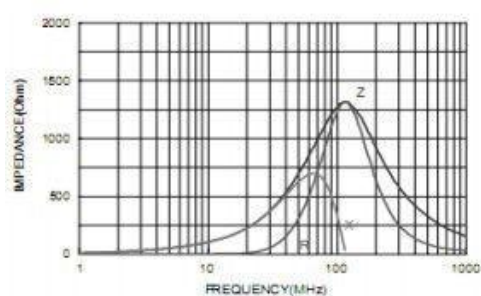
DBMS1608F601Y



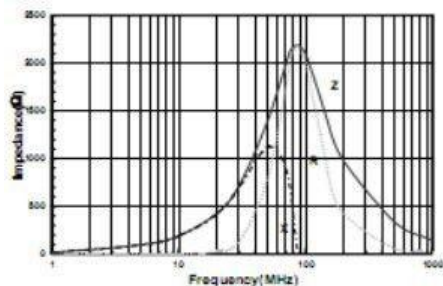
DBMS1608F102Y



DBMS1608F152Y



DBMS1608F202Y

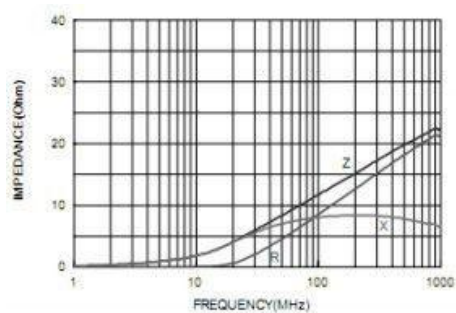


Electrical Characteristics DBMS2012(0805) Series(4000pcs/reel)

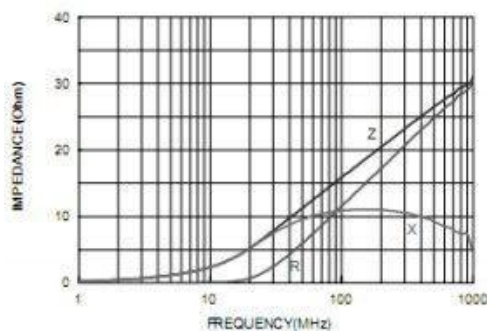
OPERATING TEMP. -40~85℃

Part NO	Impedance (Ohm)	Test Frequency(MHz)	Rated Current(mA)Max	DC (Ω)Max
DBMS2012F000Y	2 ~ 5	100	900	0.1
DBMS2012F100Y	10 ± 25%	100	900	0.1
DBMS2012F300Y	30 ± 25%	100	900	0.1
DBMS2012F600Y	60 ± 25%	100	900	0.1
DBMS2012F800Y	80 ± 25%	100	800	0.1
DBMS2012F101Y	100 ± 25%	100	700	0.2
DBMS2012F121Y	120 ± 25%	100	700	0.2
DBMS2012F151Y	150 ± 25%	100	700	0.2
DBMS2012F221Y	220 ± 25%	100	650	0.3
DBMS2012F301Y	300 ± 25%	100	600	0.3
DBMS2012F471Y	470 ± 25%	100	500	0.35
DBMS2012F601Y	600 ± 25%	100	450	0.4
DBMS2012F102Y	1000 ± 25%	100	400	0.45
DBMS2012F152Y	1500 ± 25%	100	350	0.5
DBMS2012F202Y	2000 ± 25%	100	250	0.6

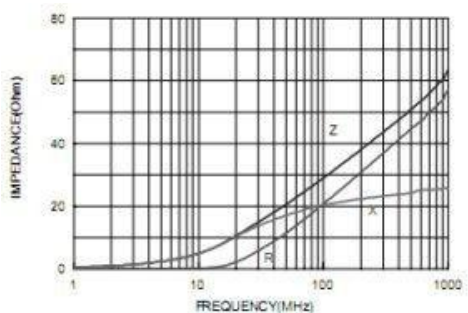
DBMS2012F000Y



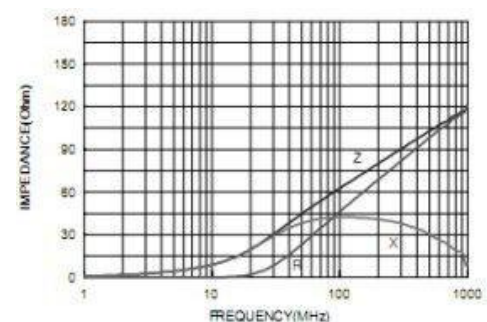
DBMS2012F100Y



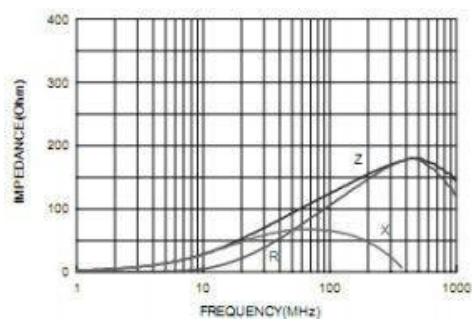
DBMS2012F300Y



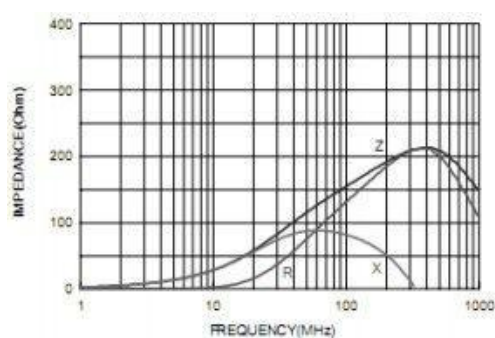
DBMS2012F600Y



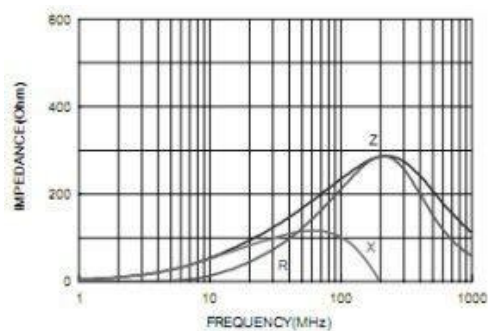
DBMS2012F121Y



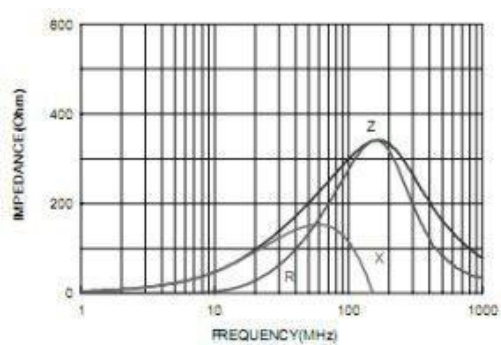
DBMS2012F151Y



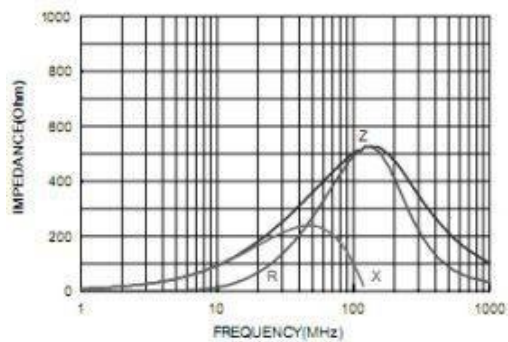
DBMS2012F221Y



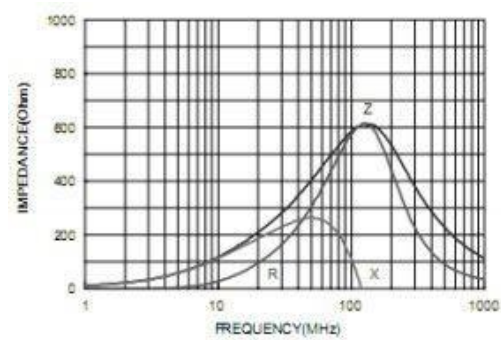
DBMS2012F301Y



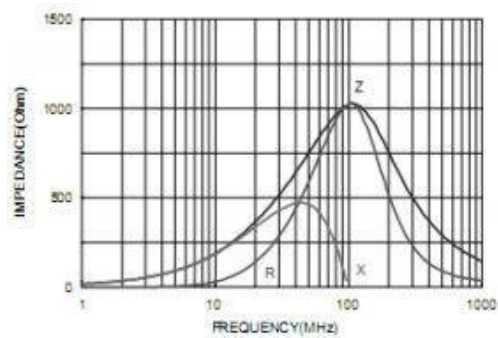
DBMS2012F471Y



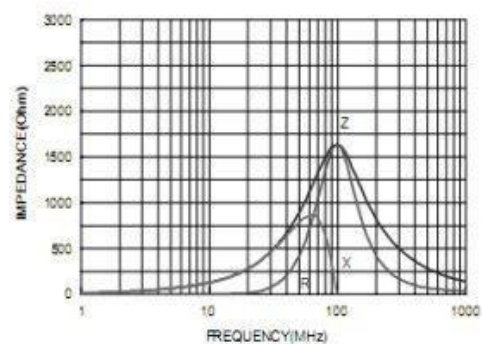
DBMS2012F601Y



DBMS2012F102Y



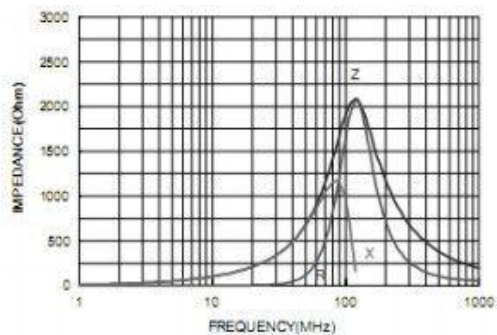
DBMS2012F152Y





ELECTRONIC COMPANY

DBMS2012F202Y

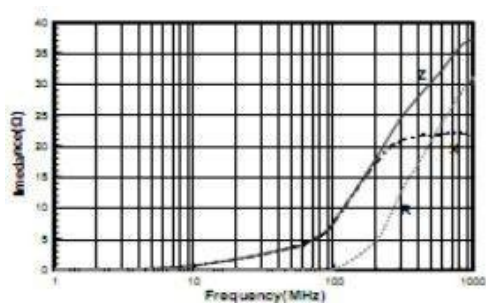


Electrical Characteristics DBMS3216(1206) Series(4000pcs/reel)

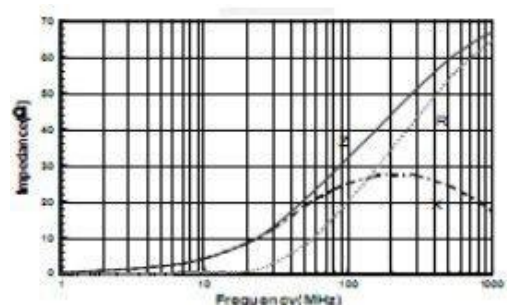
OPERATING TEMP. -40~85°C

Part NO	Impedance (Ohm)	Test Frequency(MHz)	Rated Current(mA)Max	DC (Ω)Max
DBMS3216F000Y	2 ~ 5	100	1000	0.2
DBMS3216F100Y	10 ± 25%	100	1000	0.2
DBMS3216F300Y	30 ± 25%	100	1000	0.2
DBMS3216F600Y	60 ± 25%	100	1000	0.2
DBMS3216F800Y	80 ± 25%	100	1000	0.2
DBMS3216F101Y	100 ± 25%	100	900	0.15
DBMS3216F121Y	120 ± 25%	100	900	0.15
DBMS3216F151Y	150 ± 25%	100	900	0.15
DBMS3216F221Y	220 ± 25%	100	700	0.35
DBMS3216F301Y	300 ± 25%	100	700	0.35
DBMS3216F471Y	470 ± 25%	100	400	0.35
DBMS3216F601Y	600 ± 25%	100	400	0.4
DBMS3216F102Y	1000 ± 25%	100	300	0.6
DBMS3216F152Y	1500 ± 25%	100	300	0.7
DBMS3216F202Y	2000 ± 25%	100	300	0.7

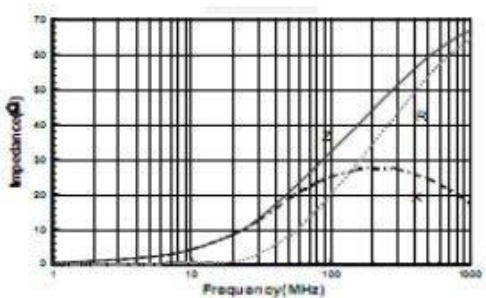
DBMS3216F000Y



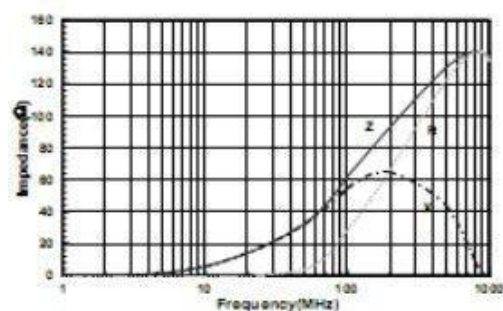
DBMS3216F100Y



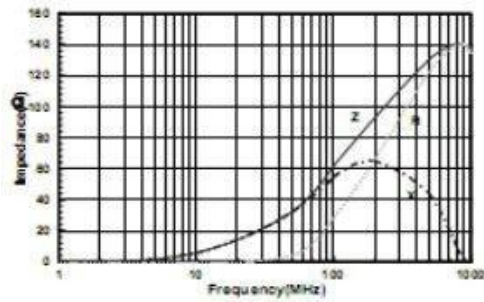
DBMS3216F300Y



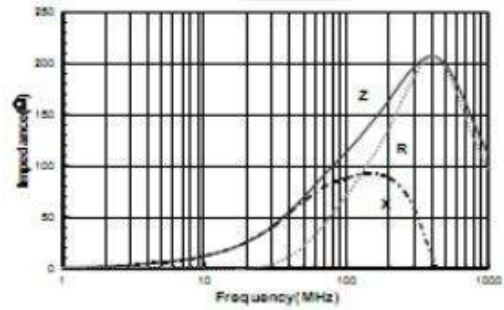
DBMS3216F600Y



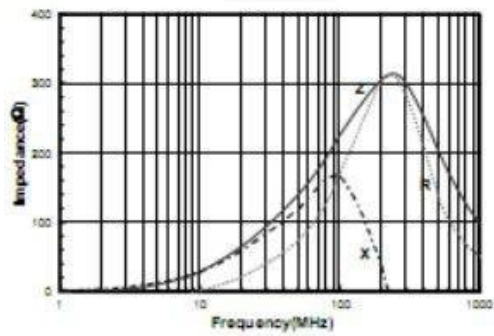
DBMS3216F800Y



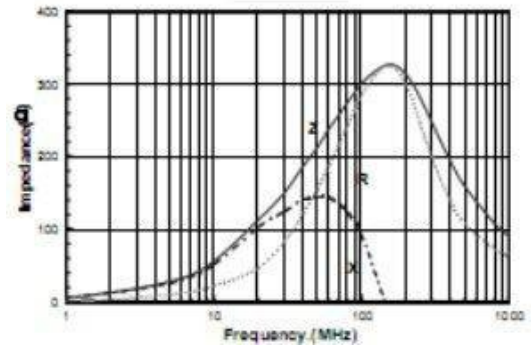
DBMS3216F121Y



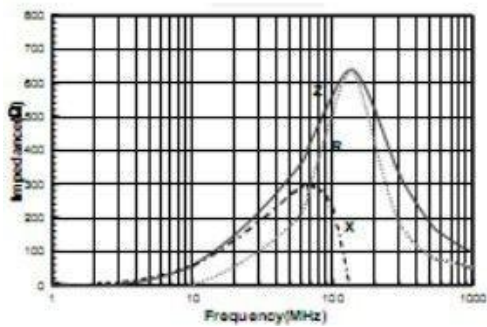
DBMS3216F221Y



DBMS3216F301Y



DBMS3216F601Y



DBMS3216F102Y

