

Features

1. Effective for suppressing noise at high frequency, from several MHz to several hundreds MHz.
2. Chip type is suited for preventing the abnormal oscillation from high frequency amplifying circuits.
3. Terminal electrode has excellent solder heat resistance for soldering.
4. Frequency characteristics of the high impedance product? for high performance electronic systems.
5. High reliability in the circuits of high-current, because internal electrode has low resistivity.

Applications

1. Noise suppression in digital equipment.
2. Computers and its peripheral devices, VCR and camera.
3. Noise suppression in automotive electronic equipment, car stereo, car engine controller.
4. Noise suppression for OA electronic instruments.

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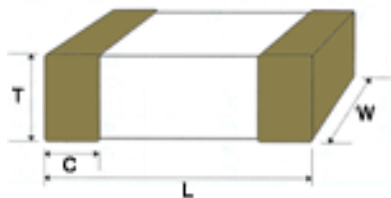
Ordering Information

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<u>S H B</u> - <u>1 M</u> <u>1608</u> - <u>121 J T</u> (1) (2) (3) (4) (5) (6)	3) Dimensions The first two digits : length(mm) The last two digits : width (mm)
1) Series SHB : For signal line SHH Fer high current(~ 3.OA) SHU : For ultra high current(~ 6.OA) 2) Material & Design L ,Y For ultra high speed 5,B . For high speed H ,C . For general purpose M,p . For high impedance type 7,V : For low speed	4) Impedance (at 100MHz) The first two digits are significant The last digit is the number of zeros following. 5) Termination J :Nickel harrier 6) Packing B: Bulk Pack T'Tape & Reel(<i>Phi</i> 178mm[7 inches]) L:Tape & Reel(<i>Phi</i> 254mm[70 inches])



Shape and Dimensions



unit:mm[inches]

Type	L	W	T	C(max.)
<u>SH[]-1[]1005-</u>	1.0±0.05 [.039±.002]	0.5±0.05 [.020±.002]	0.5±0.05 [.020±.002]	0.3 [.012]
<u>SH[]-1[]1608-</u>	1.6±0.15 [.063±.006]	0.8 ±0.15 [.031 ±.006]	0.8±0.15 [.031 ±.006]	0.5 [.020]
<u>SH[]-1[]2012-</u>	2.0±0.20 [.079±.008]	1.25±0.20 [.049±.008]	1.0±0.20 [.039 ±.008]	0.6 [.024]
	2.0±0.20 [.079±.008]	1.25±0.20 [.049±.078]	*1.25±0.20 [0.49±.008]	0.6 [.024]
<u>SH[]-1[]3216-</u>	3.2±0.20 [.126±.008]	1.6±0.20 [.063±.008]	1.3± 0.20 [.051±.008]	0.7 [.028]
<u>SH[]-1[]4516-</u>	4.5±0.25 [.177±.010]	1.6±0.20 [.063±.008]	1.3±0.20 [.051±.008]	0.8 [.031]
<u>SH[]-1[]4532-</u>	4.5±0.25 [.177±.010]	3.2±0.25 [.126±.010]	1.3±0.25 [.051±.010]	1.0 [.039]

SH[]-1[]5750-	5.7 ±0.30 [.225±.012]	5.0±0.30 [.198±.012]	1.6±0.25 [.063±.010]	1.2 [.047]
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*Only SHU Series

- **SHB series (For signal line)**

- **SHB1005**

Part NO.	Z at 100MHz(Ohm)		DC Resistance (Ohm) max.	Rated Current (mA) max.
	typ.	min		
SHB-1H1005-100[] []	10	7.5	0.10	200
SHB-1M1005-400[] []	40	30	0.15	200
SHB-1M1005-600[] []	60	45	0.30	200
SHB-1M1005-800[] []	80	60	0.30	200
SHB-1M1005-121[] []	120	90	0.40	150
SHB-1M1005-221[] []	220	165	0.60	100
SHB-1M1005-301[] []	300	225	0.80	50
SHB-1M1005-601[] []	600	450	1.00	50
SHB-1T1005-100[] []	10	7.5	0.10	200
SHB-1T1005-400[] []	40	30	0.15	200
SHB-1T1005-600[] []	60	45	0.30	200
SHB-1T1005-800[] []	80	60	0.30	200
SHB-1T1005-121[] []	120	90	0.40	150
SHB-1T1005-221[] []	220	165	0.60	100
SHB-1T1005-301[] []	300	225	0.80	50
SHB-1T1005-601[] []	600	450	1.00	50
SHB-1S1005-100[][]	10	7.5	0.20	200
SHB-1S1005-300[][]	30	23	0.30	200
SHB-1S1005-600[][]	60	45	0.40	150
SHB-1S1005-101[][]	100	75	0.50	150

• SHB1608

Part NO.	Z at 100MHz(Ohm)		DC Resistance (Ohm) max.	Rated Current (mA) max.
	typ.	min		
SHB-1H1608-300[] []	30	22	0.08	500
SHB-1M1608-600[] []	60	45	0.09	200
SHB-1M1608-800[] []	80	60	0.10	200
SHB-1M1608-121[] []	120	90	0.12	200
SHB-1M1608-221[] []	220	165	0.20	200
SHB-1M1608-301[] []	300	225	0.30	200
SHB-1M1608-501[] []	500	375	0.40	200
SHB-1M1608-601[] []	600	450	0.40	200
SHB-1M1608-801[] []	800	600	0.60	200
SHB-1M1608-102[] []	1000	750	0.60	150
SHB-1S1608-200[][]	20	15	0.12	300
SHB-1S1608-300[][]	30	22	0.12	300
SHB-1S1608-400[][]	40	30	0.12	300
SHB-1S1608-550[][]	55	42	0.15	200
SHB-1S1608-800[][]	80	60	0.25	200
SHB-1S1608-121[][]	120	90	0.25	200
SHB-1S1608-221[][]	220	165	0.40	200
SHB-1T1608-260[] []	26	20	0.05	500
SHB-1T1608-800[] []	80	60	0.10	300
SHB-1T1608-121[] []	120	90	0.20	250
SHB-1T1608-221[] []	220	165	0.30	200
SHB-1T1608-301[] []	300	225	0.35	200
SHB-1T1608-601[] []	600	450	0.50	200

SHB-1T1608-102[] []	1000(at 100MHz)	750	0.70	200
SHB-1B1608-222[] []	2200	1650	0.85	50
SHB-1P1608-121[][]	120	90	0.25	250
SHB-1P1608-201[][]	200	150	0.30	200
SHB-1P1608-301[][]	300	225	0.35	200
SHB-1P1608-601[][]	600	450	0.50	150



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• SHB1608

Part NO.	Z at 100MHz(Ohm)		DC Resistance (Ohm) max.	Rated Current (mA) max.
	typ.	min		
SHB-1V1608-121[] []	120	90	0.25	250
SHB-1V1608-201[] []	200	150	0.30	200
SHB-1V1608-301[] []	300	225	0.35	200
SHB-1V1608-601[] []	600	450	0.50	150

• SHB2012

Part NO.	Z at 100MHz(Ohm)		DC Resistance (Ohm) max.	Rated Current (mA) max.
	typ.	min		
SHB-1H2012-260[][]	26	20	0.02	600
SHB-1H2012-320[][]	32	24	0.03	600
SHB-1M2012-800[][]	80	60	0.08	300
SHB-1M2012-121[][]	120	90	0.10	300
SHB-1M2012-151[][]	150	115	0.12	300
SHB-1M2012-221[][]	220	165	0.12	300
SHB-1M2012-301[][]	300	225	0.15	300
SHB-1M2012-601[][]	600	450	0.25	300
SHB-1M2012-102[][]	1000	750	0.30	300
SHB-1M2012-202[][]	2000(at 100MHz)	1500	0.50	300
SHB-1M2012-252[][]	2000(at 100MHz)	1875	0.60	300
SHB-1S2012-5R0[][]	5	3.5	0.05	300
SHB-1S2012-8R0[][]	8	6	0.05	300
SHB-1S2012-400[][]	40	30	0.15	250
SHB-1S2012-800[][]	80	60	0.18	200
SHB-1S2012-121[][]	120	90	0.20	300
SHB-1S2012-221[][]	220	165	0.30	300
SHB-1S2012-251[][]	250	190	0.50	300
SHB-1T2012-260[][]	26	20	0.04	600
SHB-1T2012-400[][]	40	30	0.05	600
SHB-1T2012-800[][]	80	60	0.08	300
SHB-1T2012-121[][]	120	90	0.08	300
SHB-1T2012-221[][]	220	170	0.12	200

SHB-1T2012-301[][]	300	225	0.15	200
SHB-1T2012-601[][]	600	450	0.25	200
SHB-1T2012-102[][]	1000 (at 100MHz)	750	0.30	200
SHB-1T2012-202[][]	2000(at 100MHz)	1500	0.50	200
SHB-1T2012-252[][]	2500(at 100MHz)	1875	0.60	200
SHB-1B2012-222[][]	2200	1650	0.60	300
SHB-1B2012-272[][]	2700	2025	0.70	300
SHB-1V2012-121[][]	120	90	0.08	300
SHB-1V2012-221[][]	220	170	0.12	200
SHB-1V2012-301[][]	300	225	0.15	200
SHB-1V2012-601[][]	600	450	0.25	200
SHB-1V2012-102[][]	1000(at 100MHz)	750	0.30	200
SHB-1P2012-121[][]	120	90	0.08	300
SHB-1P2012-221[][]	220	170	0.12	200
SHB-1P2012-301[][]	300	225	0.15	200
SHB-1P2012-601[][]	600	450	0.25	200
SHB-1P2012-102[][]	1000(at 100MHz)	750	0.30	200

• **SHB3216**

Part NO.	Z at 100MHz(Ohm)		DC Resistance (Ohm) max.	Rated Current (mA) max.
	typ.	min		
SHB-1C3216-350[][]	35	26	0.02	600
SHB-1H3216-500[][]	50	37	0.03	600
SHB-1H3216-700[][]	70	52	0.05	600



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• SHB3216

Part NO.	Z at 100MHz(Ohm)		DC Resistance (Ohm) max.	Rated Current (mA) max.
	typ.	min		
SHB-1M3216-121[] []	120	90	0.05	300
SHB-1M3216-151[] []	150	115	0.05	300
SHB-1M3216-201[] []	200	150	0.08	300
SHB-1M3216-301[] []	300	225	0.09	200
SHB-1M3216-601[] []	600	450	0.20	200
SHB-1M3216-102[] []	1000	750	0.25	200
SHB-1S3216-100[] []	10	7.5	0.05	300
SHB-1S3216-200[] []	20	15	0.10	300
SHB-1S3216-800[] []	80	60	0.25	200
SHB-1S3216-251[] []	250	190	0.30	200
SHB-1S3216-601[] []	600	450	0.40	200
SHB-1T3216-350[] []	35	26	0.03	600
SHB-1T3216-500[] []	50	37	0.03	600
SHB-1T3216-700[] []	70	52	0.05	400
SHB-1T3216-121[] []	120	90	0.10	300
SHB-1T3216-151[] []	150	115	0.10	300
SHB-1T3216-201[] []	200	150	0.15	300
SHB-1T3216-601[] []	600	450	0.30	200
SHB-1T3216-801[] []	800	600	0.30	200

SHB-1T3216-102[] []	1000(at 100MHz)	750	0.40	200
SHB-1T3216-122[] []	1200(at 100MHz)	900	0.40	200

• **SHH series (For high current ~3A)**

Part NO.	Z at 100MHz(Ohm)		DC Resistance (Ohm) max.	Rated Current (mA) max.
	typ.	min		
SHH-1M1608-300[][]	30	22	0.05	1000
SHH-1M1608-600[][]	60	45	0.10	500
SHH-1M1608-600[][] A	60	45	0.08	1000
SHH-1M1608-121[][]	120	90	0.156	500
SHH-1M1608-121[][] A	120	90	0.05	1000
SHH-1M2012-260[][]	26	20	0.02	2000
SHH-1M2012-600[][]	60	45	0.02	3000
SHH-1M2012-900[][]	90	68	0.03	3000
SHH-1M2012-121[][]	120	90	0.05	2500
SHH-1M2012-221[][]	220	165	0.05	2000
SHH-1M2012-301[][]	300	225	0.07	2000
SHH-1M2012-601[][]	600	450	0.10	1000
SHH-1T2012-260[][]	26	20	0.02	3000
SHH-1T2012-121[][]	120	90	0.03	2500
SHH-1T2012-251[][]	250	190	0.05	3000
SHH-1S2012-8R0[][]	8	6	0.03	1500
SHH-1T3216-260[][]	26	20	0.03	3000
SHH-1T3216-350[][]	35	26	0.03	2500
SHH-1H3216-500[][]	50	37	0.02	3000
SHH-1M3216-121[][]	120	90	0.03	3000
SHH-1M3216-501[][]	500	375	0.06	2500
SHH-1M3216-601[][]	600	450	0.06	2500
SHH-1H4516-600[][]	60	45	0.02	3000
SHH-1H4516-111[][]	110	83	0.02	3000
SHH-1H4532-121[][]	120	90	0.03	3000
SHH-1T4532-121[][]	120	90	0.03	3000
SHH-1M4532-601[][]	600(at 100MHz)	450	0.04	3000
SHH-1M4532-132[][]	1300(at 100MHz)	980	0.05	3000
SHH-1B4532-132[][]	1300	980	0.05	3000
SHH-1M5750-401[][]	400	300	0.04	2000

• **SHU series (For ultra high current ~6A)**

Part NO.	Z at 100MHz(Ohm)		DC Resistance (Ohm) max.	Rated Current (mA) max.
	typ.	min		
SHU-1M2012-400[] []	40	30	0.02	5000
SHU-1M2012-600[] []	60	45	0.02	5000
SHU-1M2012-800[] []	80	60	0.02	5000
SHU-1M2012-121[] []	120	90	0.02	5000
SHU-1T2012-500[] []	50	37	0.015	4000
SHU-1H3216-500[] []	50	37	0.01	6000
SHU-1H4516-600[] []	60	45	0.01	6000
SHU-1H4532-121[] []	120	90	0.02	6000
SHU-1M5750-401[] []	400	300	0.02	6000

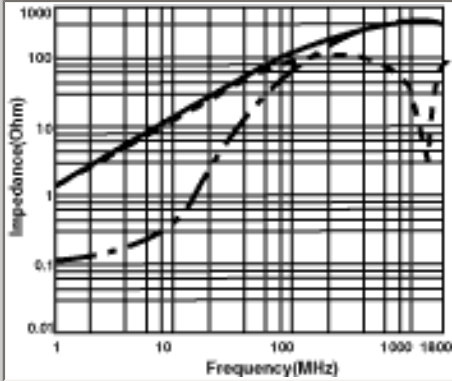


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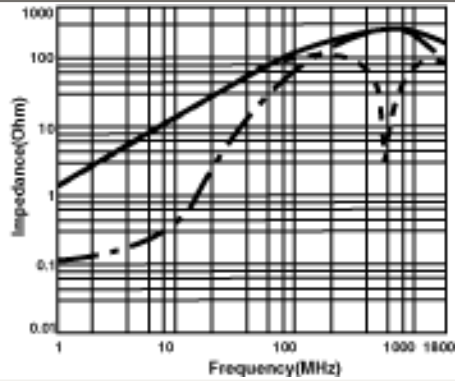
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• SHB1005, SHB1608, SHB2012

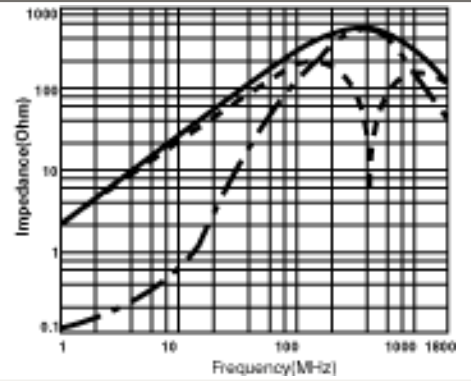
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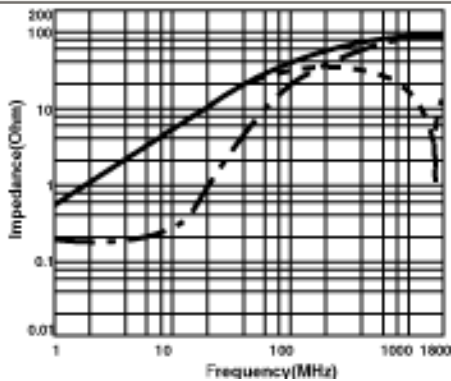
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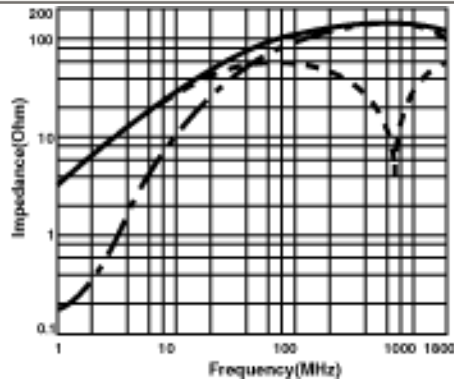
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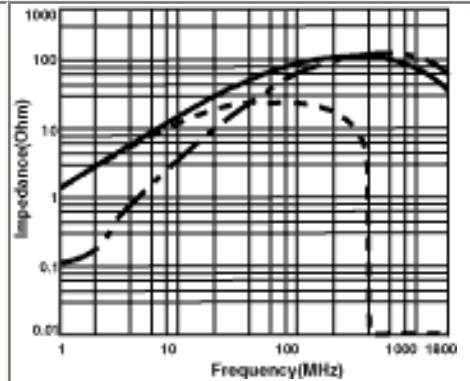
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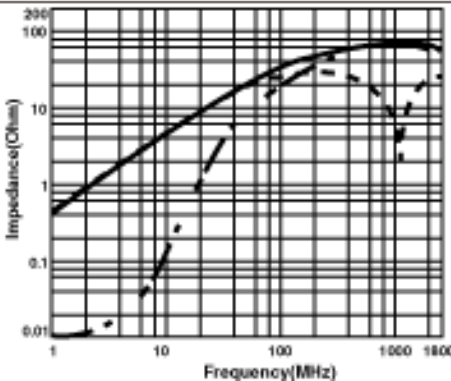
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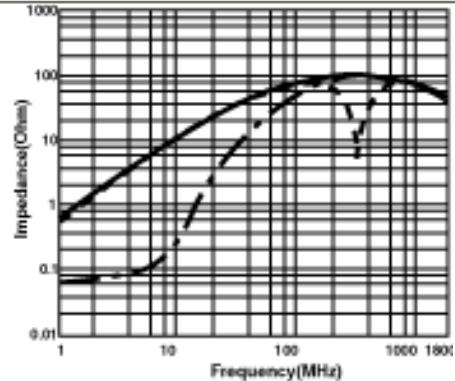
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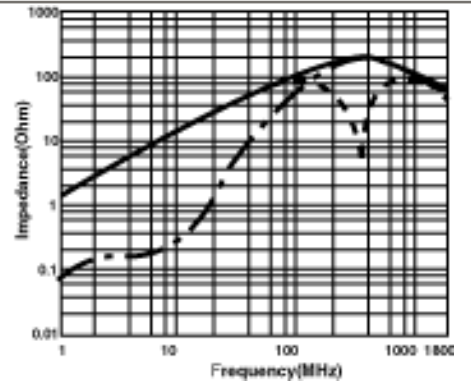
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SHB-1M1608-800J



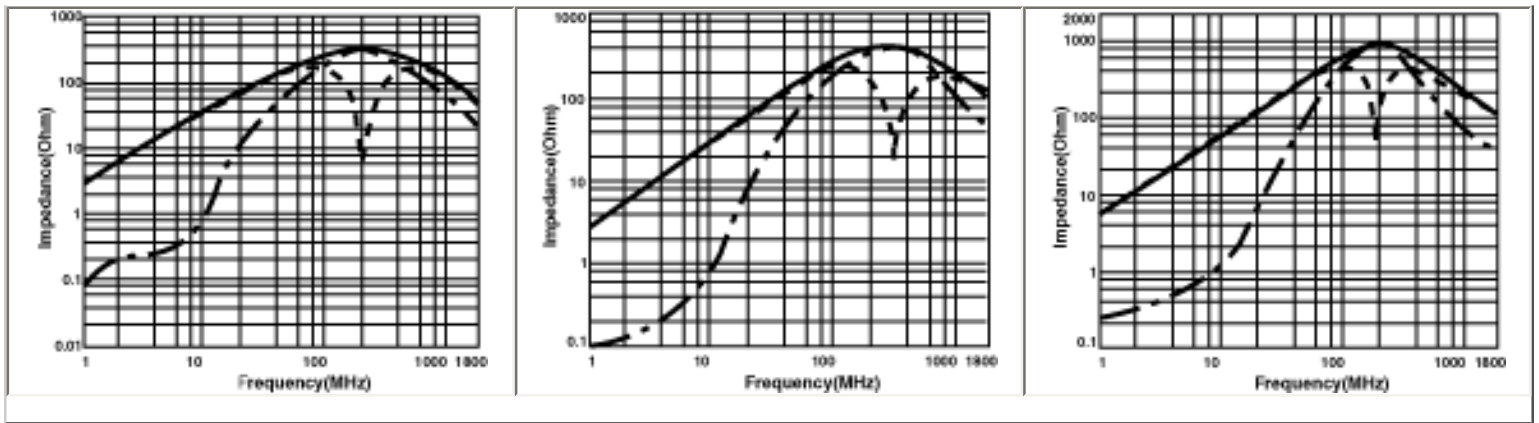
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SHB-1M1608-221J

SHB-1M1608-301J

SHB-1M1608-601J

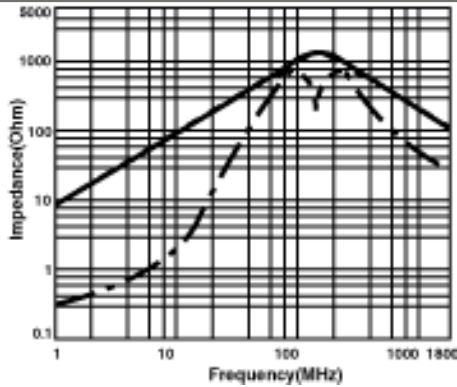




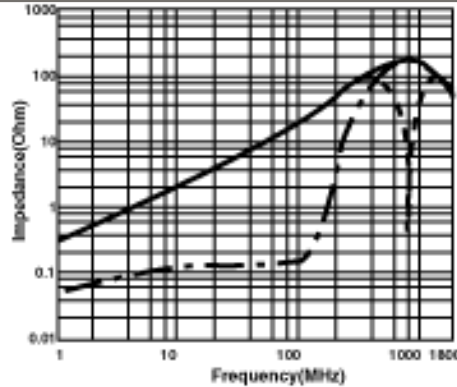
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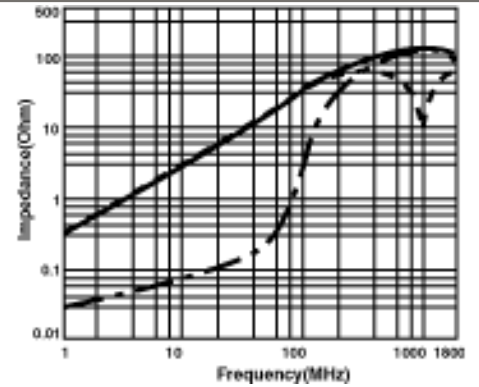
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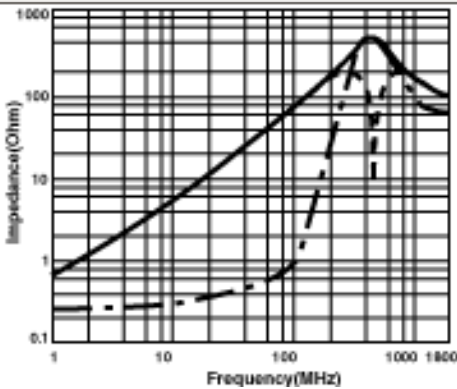
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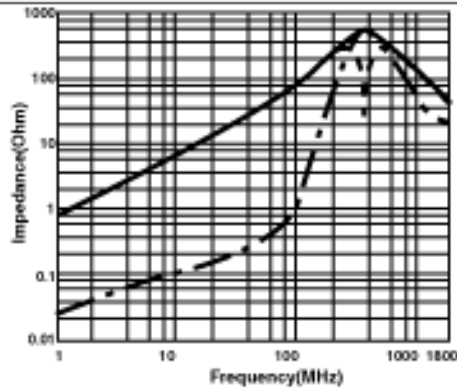
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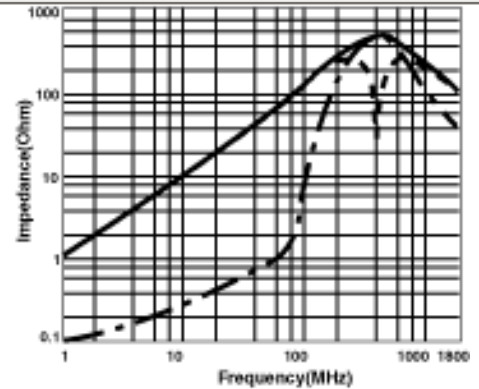
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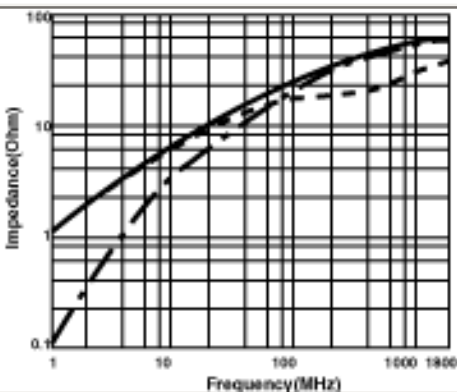
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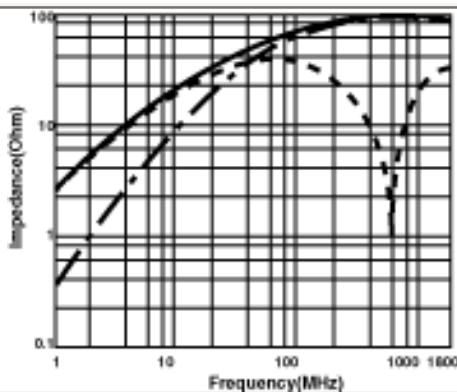
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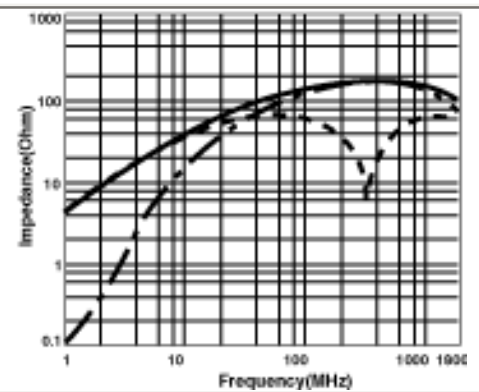
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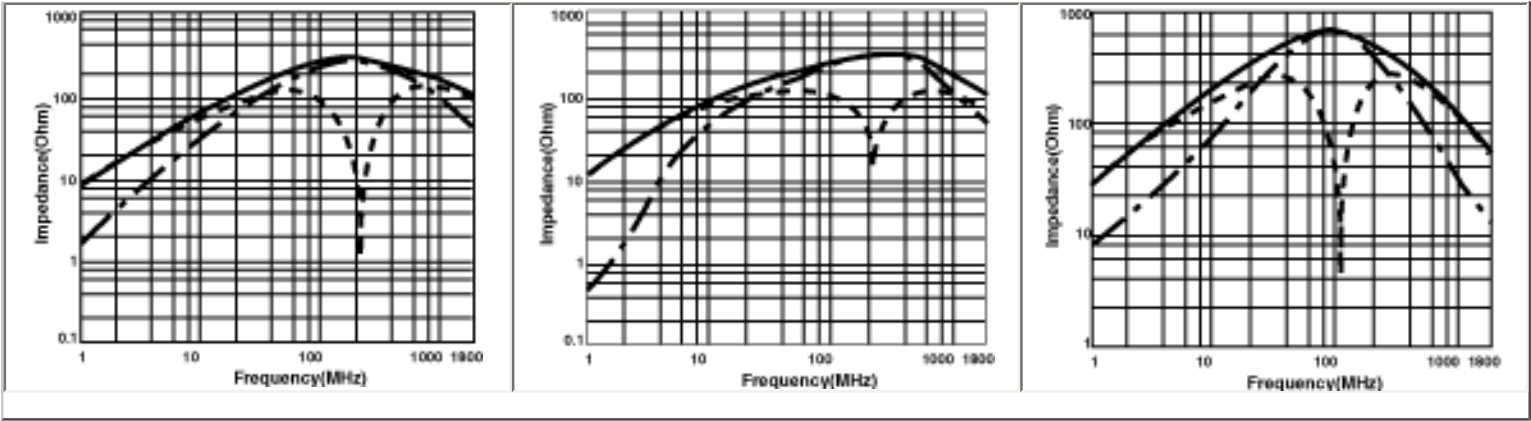
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SHB-1T1608-601J

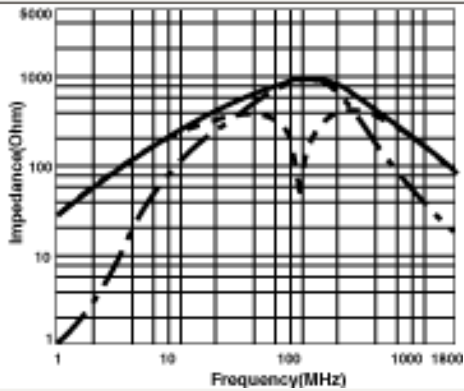




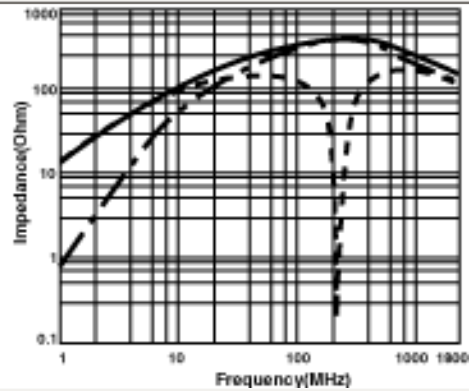
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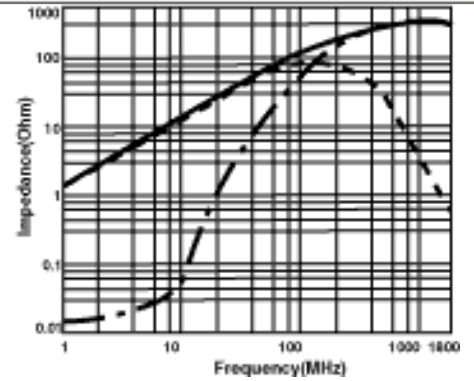
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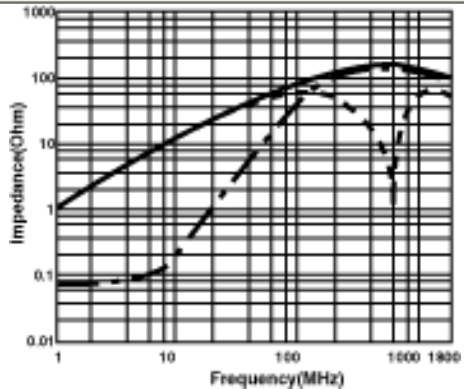
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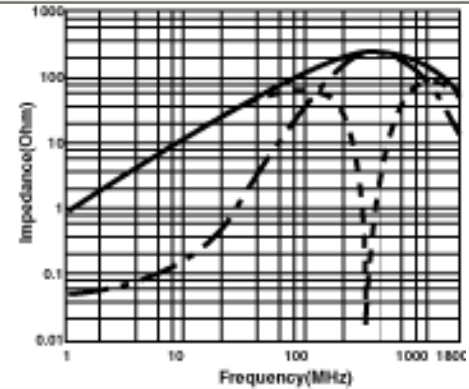
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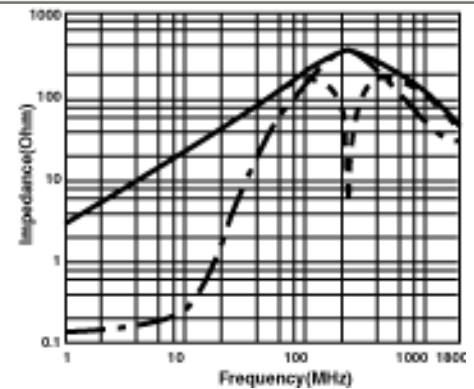
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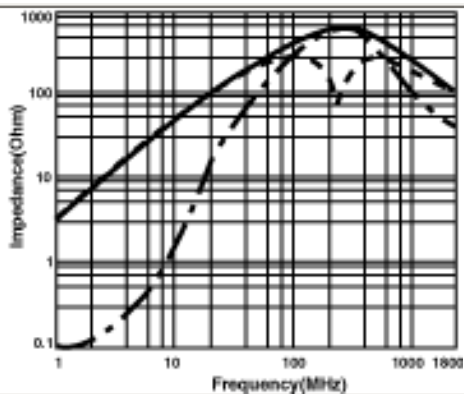
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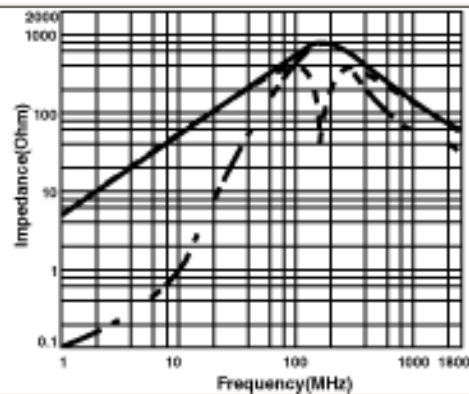
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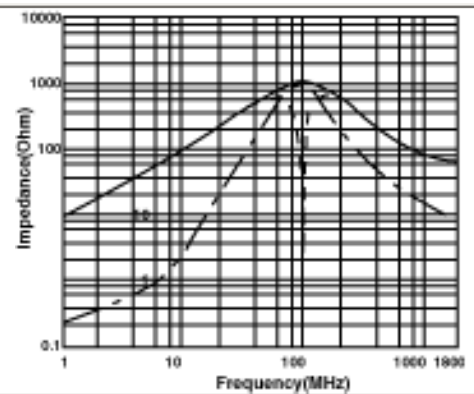
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SHB-1M2012-601J



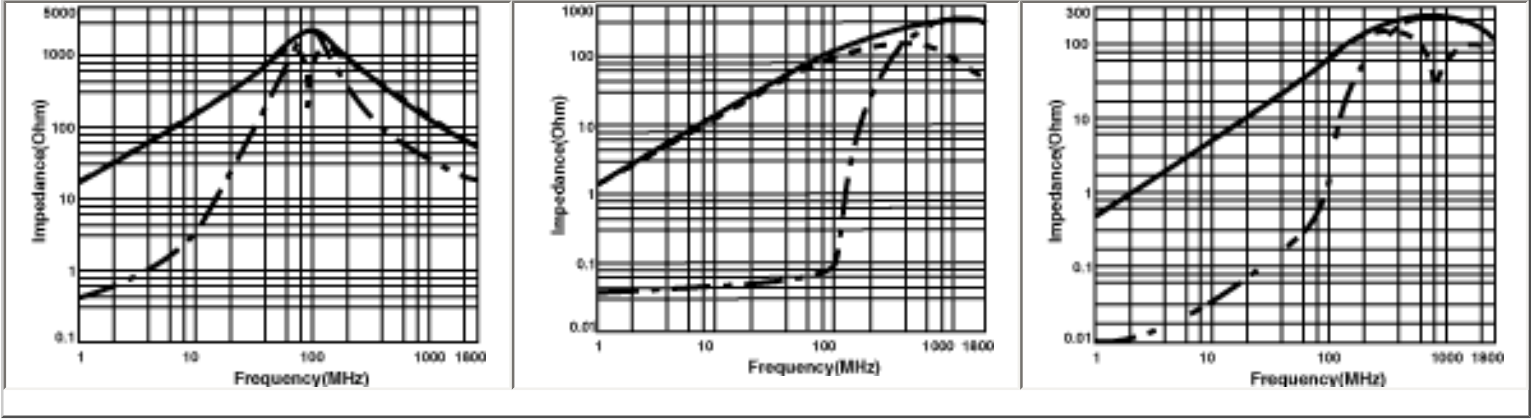
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SHB-M2012-202J

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SHB-1S2012-400J

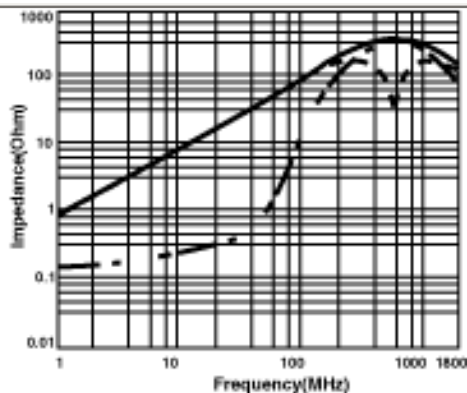




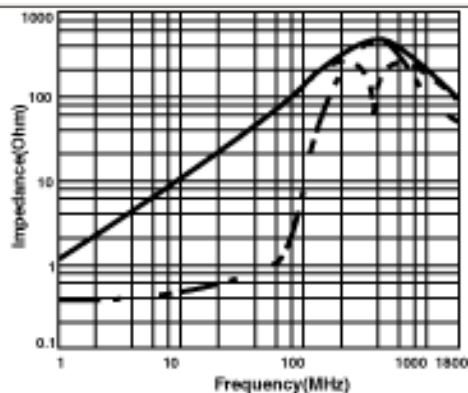
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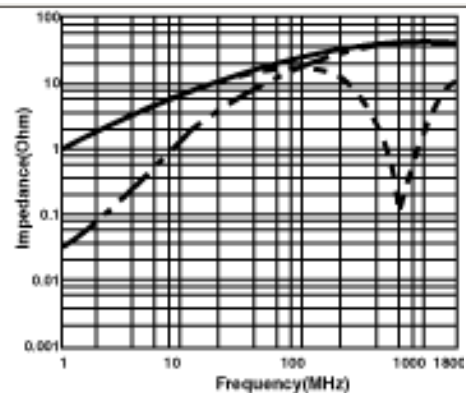
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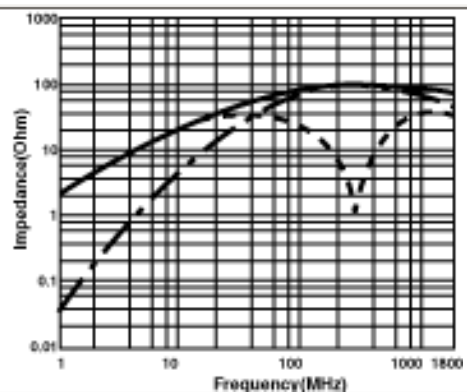
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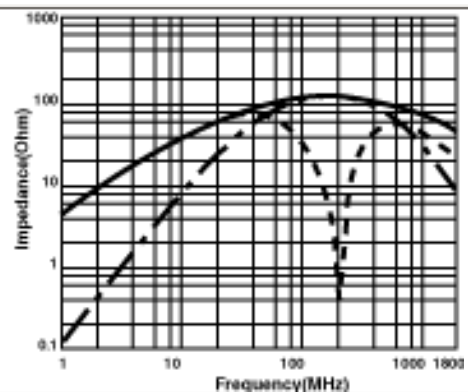
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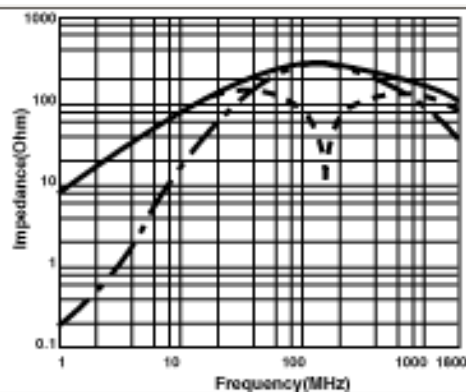
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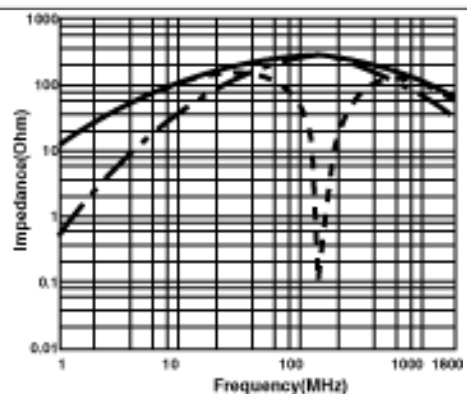
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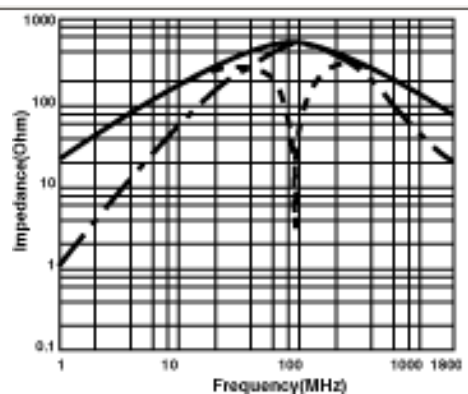
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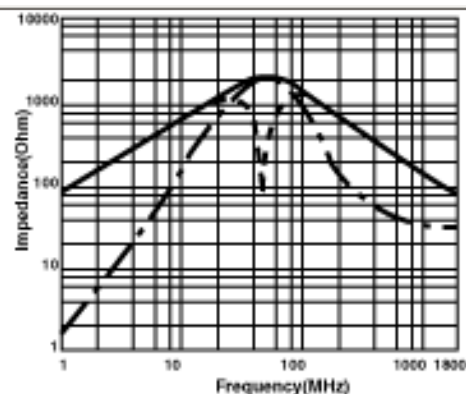
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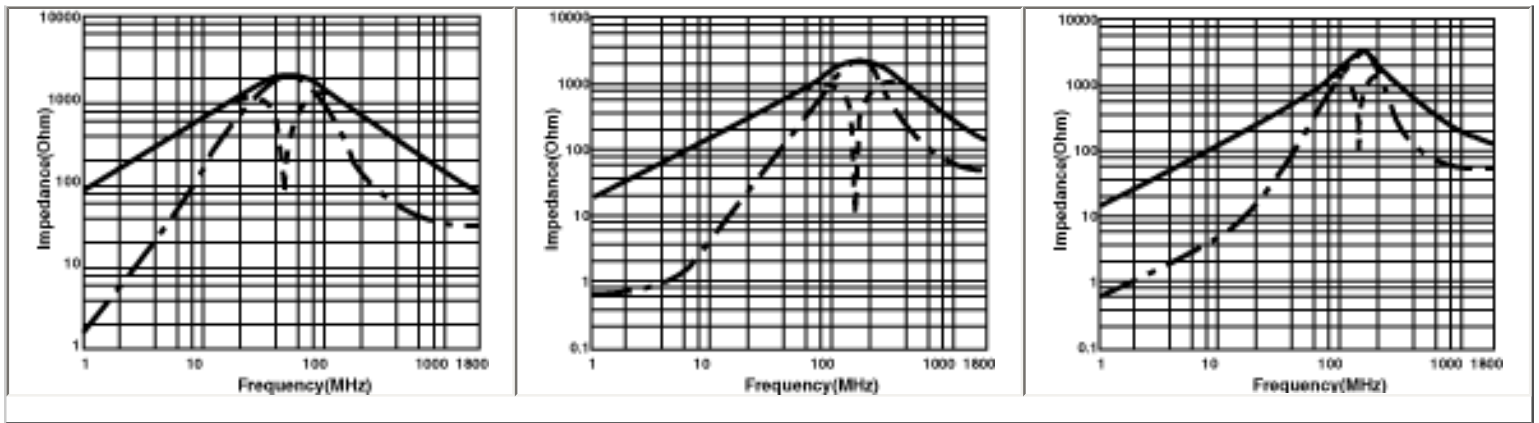
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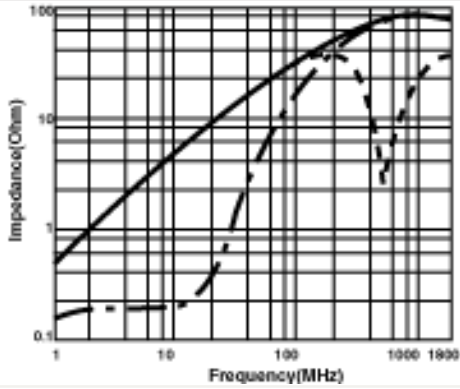




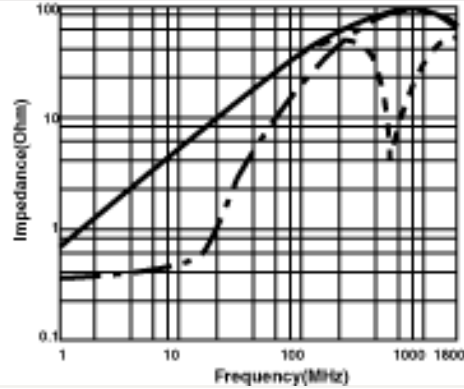
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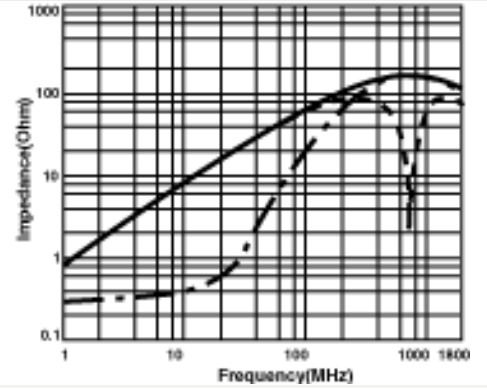
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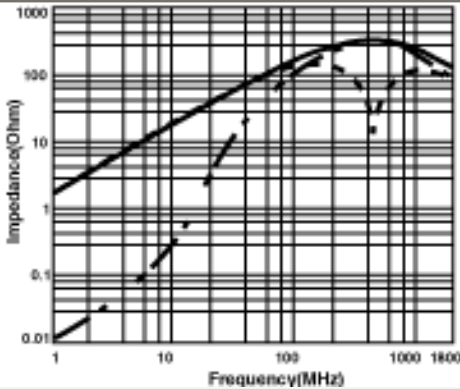
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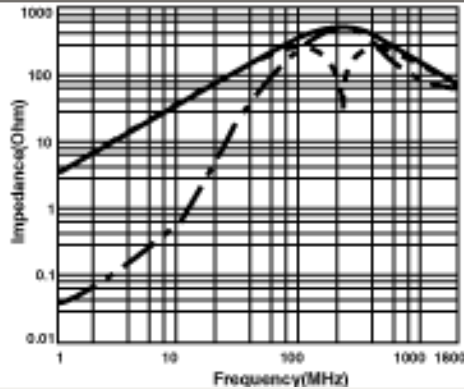
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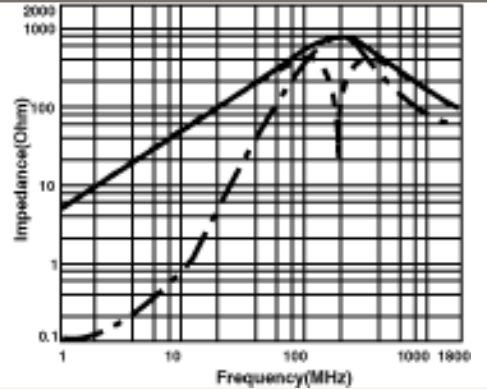
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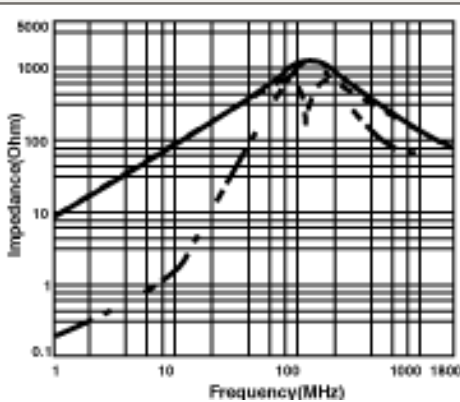
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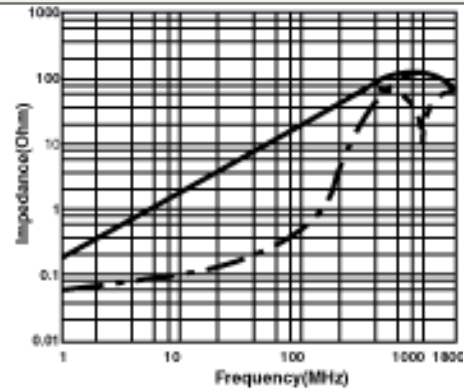
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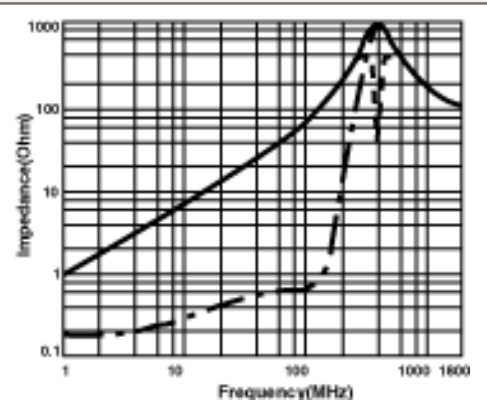
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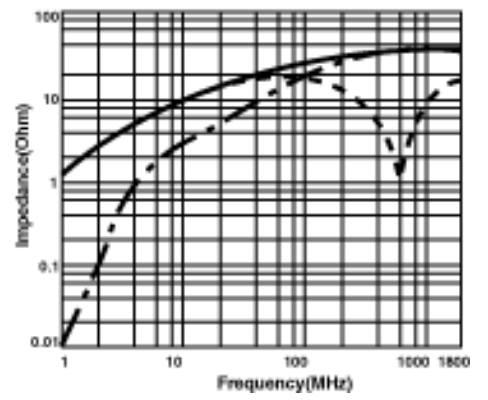
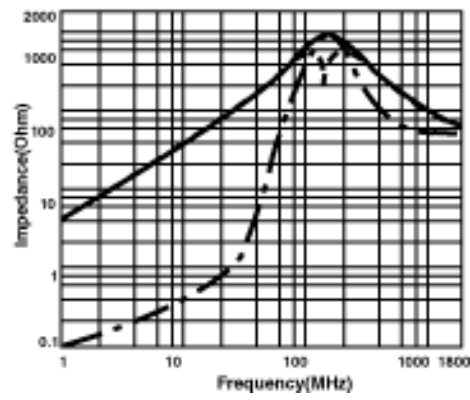
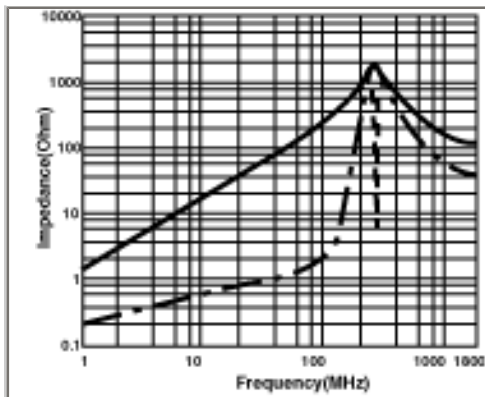
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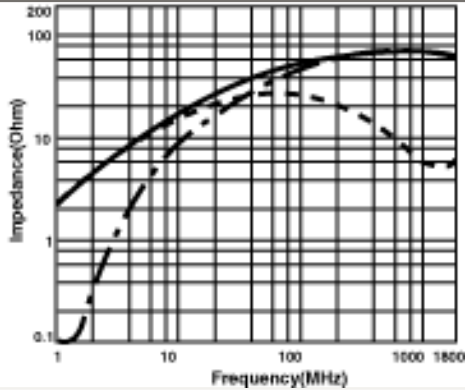




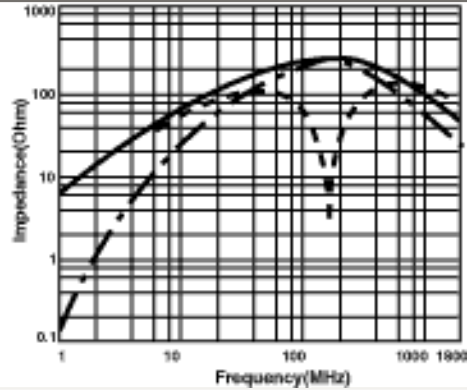
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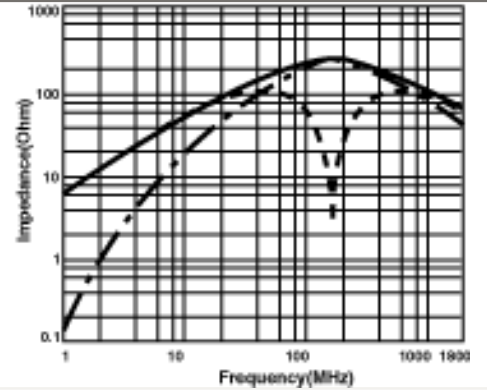
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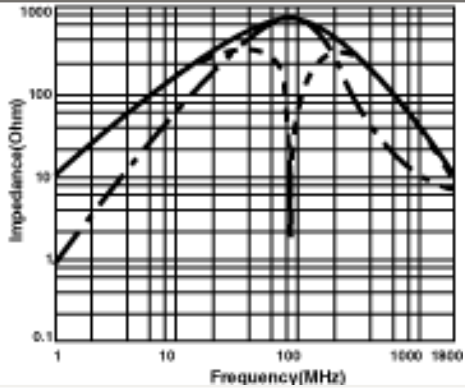
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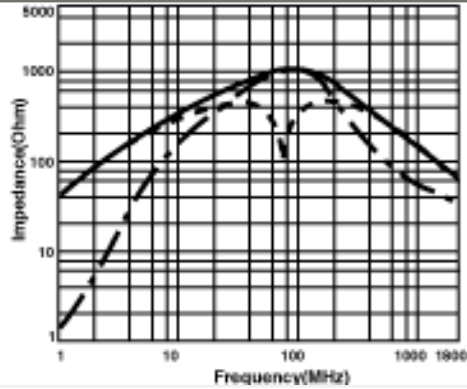
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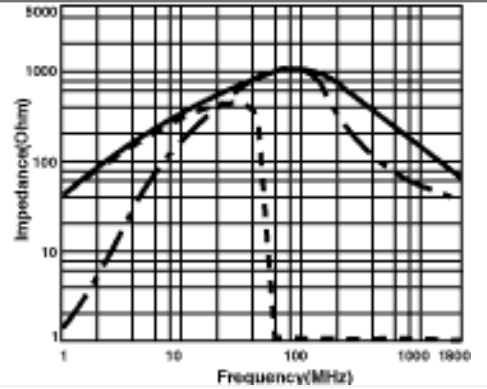
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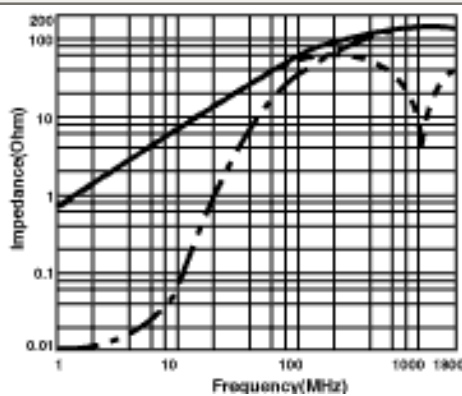


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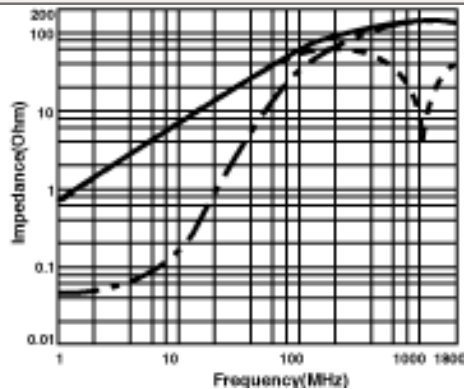
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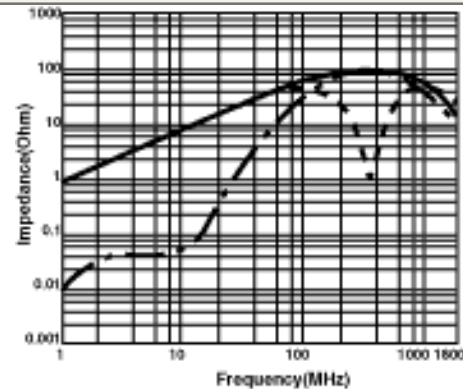
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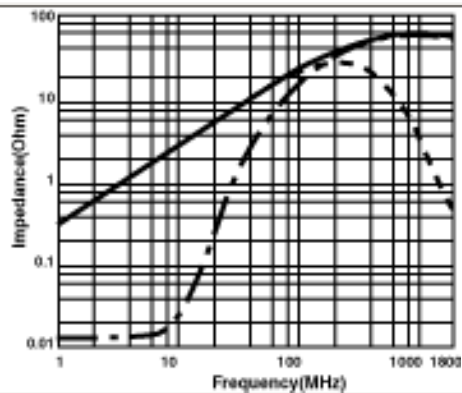
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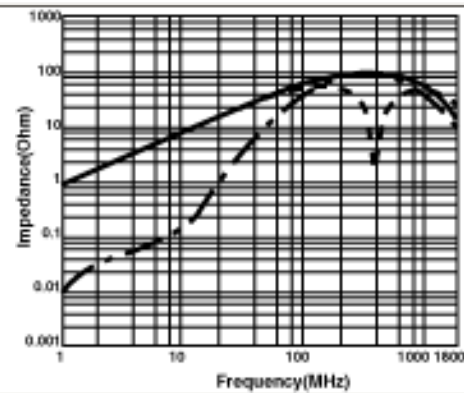
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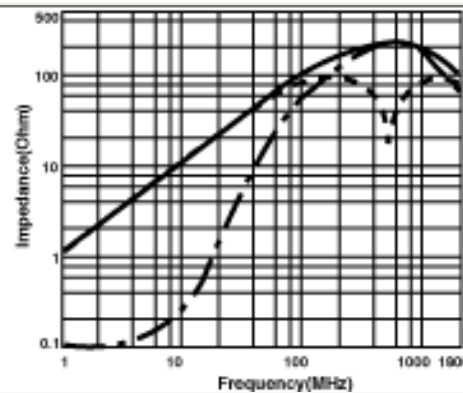
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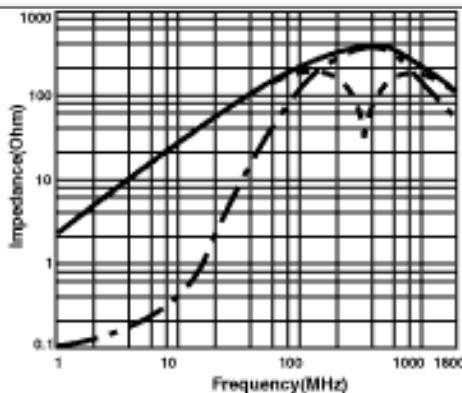
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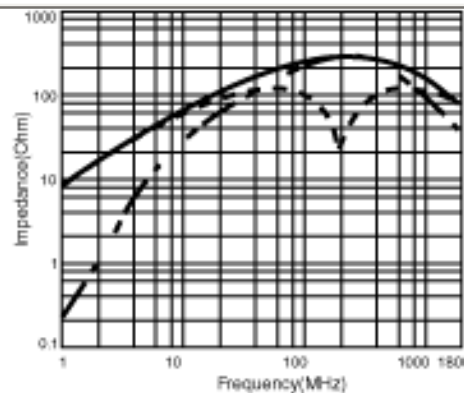
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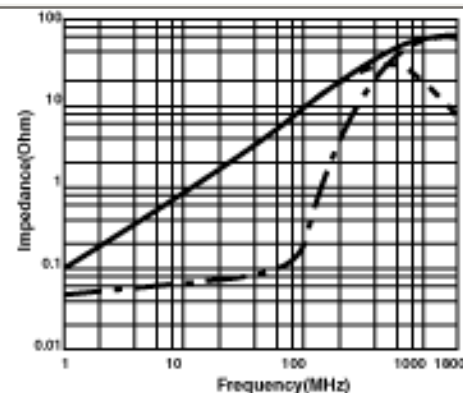
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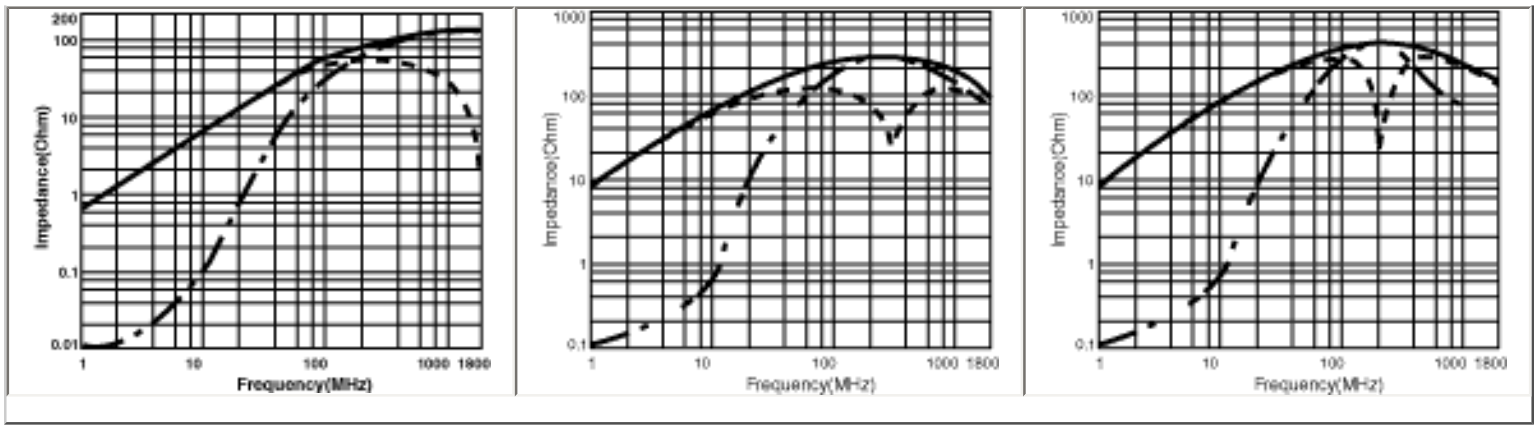
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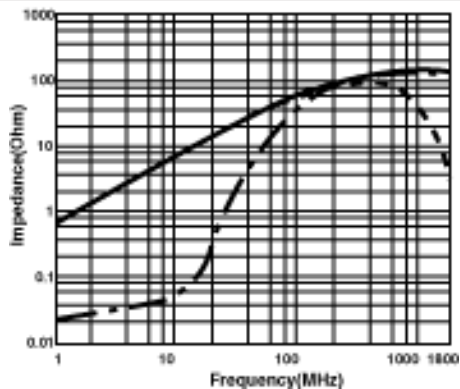




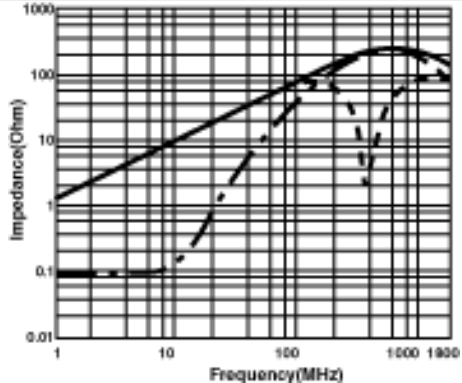
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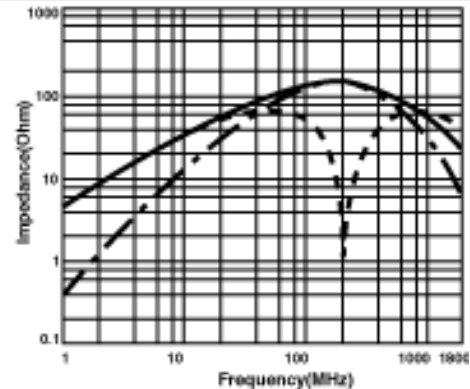
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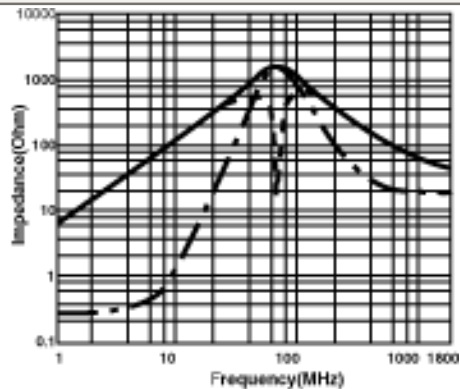
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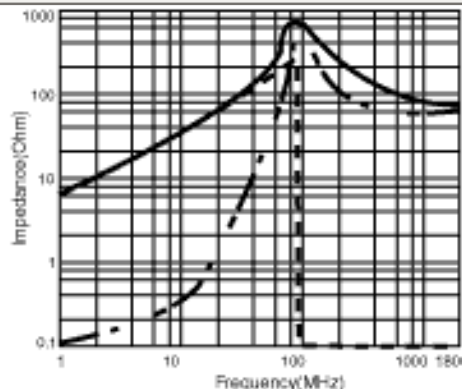
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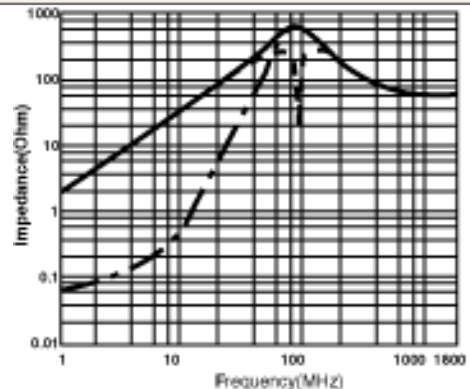
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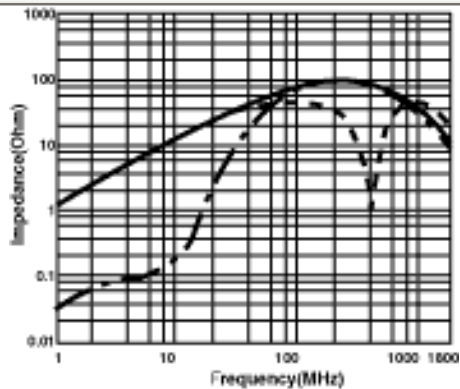
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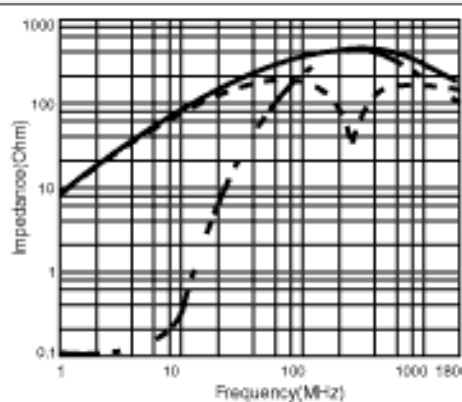
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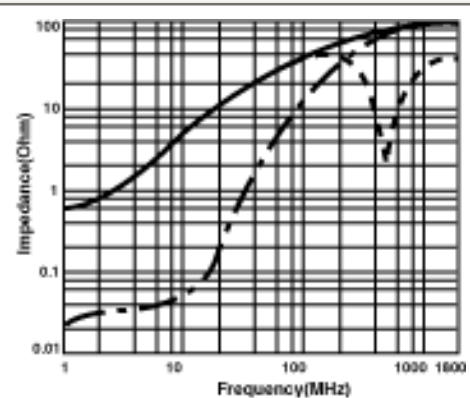
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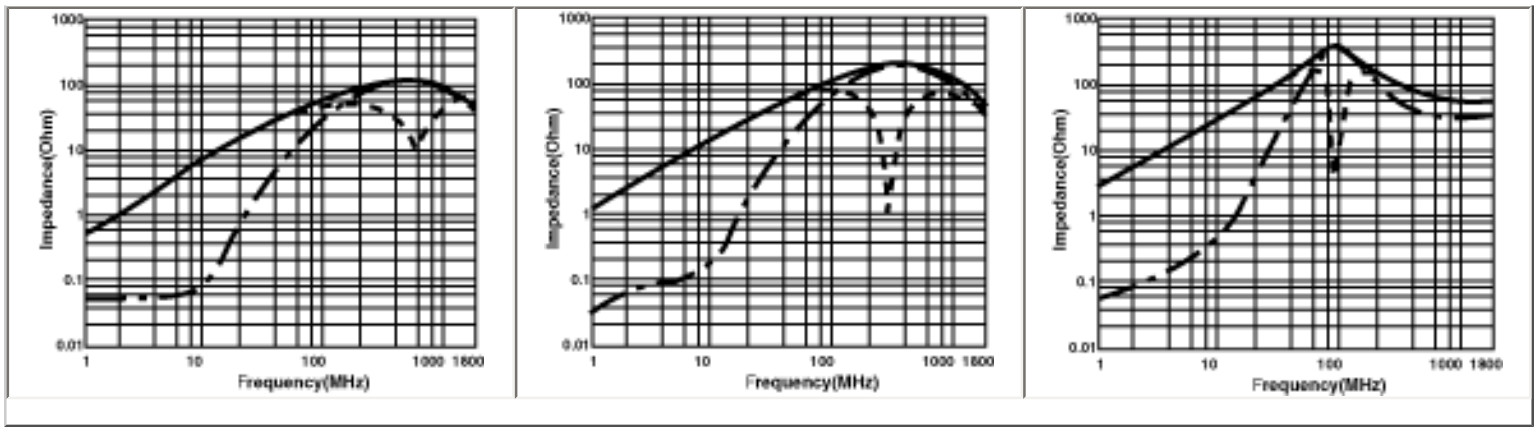
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SHU-1H4516-500J

SHU-1H4532-121J

SHU-1M5750-401J



EMI (Electromagnetic interference)

- [Chip Ferrite Beads](#)
- [Chip Ferrite Beads Array](#)

