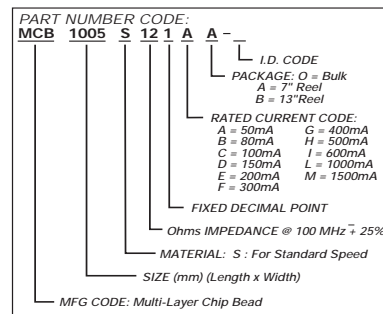
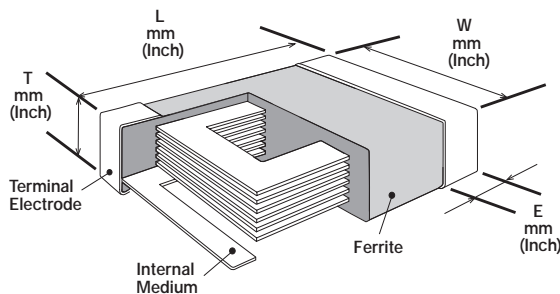


Impedance Range: 7 to 2200 Ohms @ 100MHz  
 Operating Temperature Range: -55°C to +125°C  
 Soldering Method: Reflow or Wave Soldering  
 Packaging Method: Tape & Reel (per EIA Specifications)  
 Storage Temperature: -40°C to +85°C (Temp)  
 70% RH Max



**Common applications for impedance chips**

Clock generation circuitry, filtering between analog and digital circuitry, I/O interconnects (e.g., serial, parallel, keyboard, mouse, telecommunications, local area networks), isolation between RF noisy circuits and logic devices susceptible to functional degradation, power supply filtering to prevent conducted RF energy from corrupting the power generation circuitry, high frequency EMI prevention of computers, printers, VCRs, TVs and portable telephones.



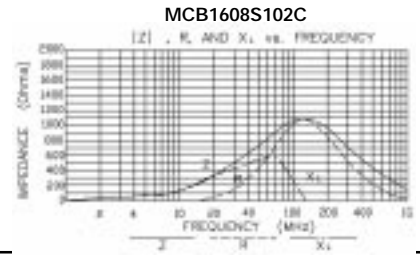
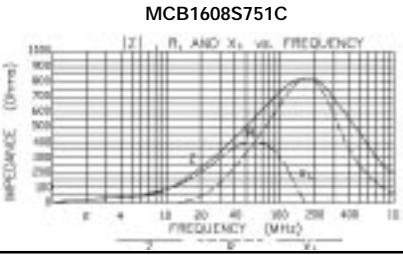
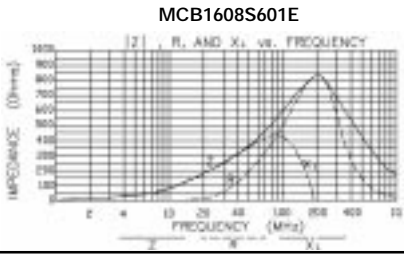
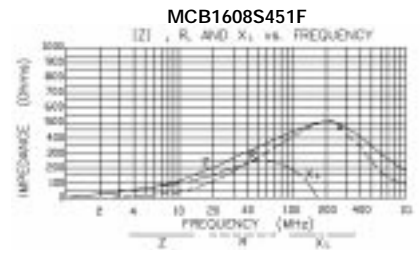
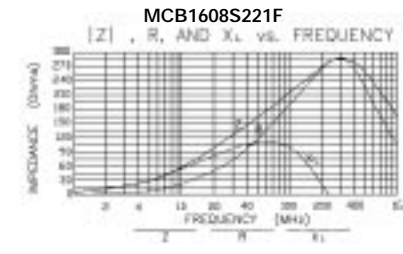
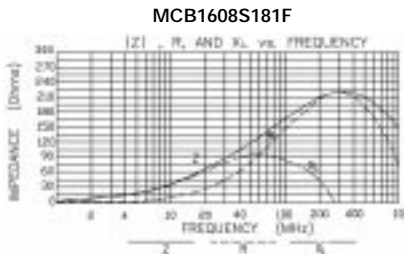
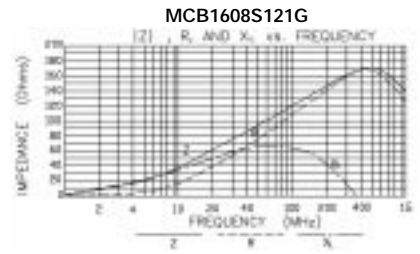
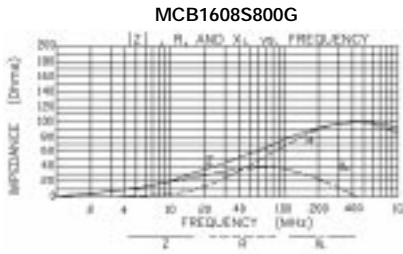
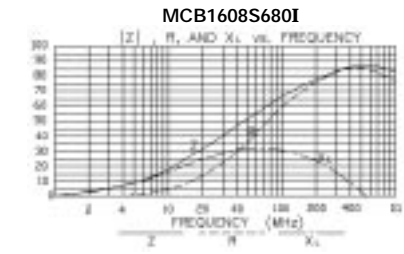
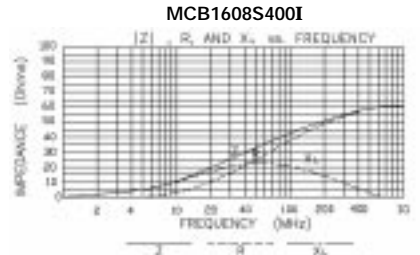
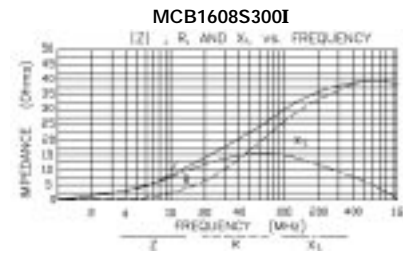
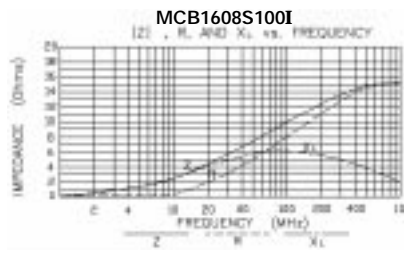
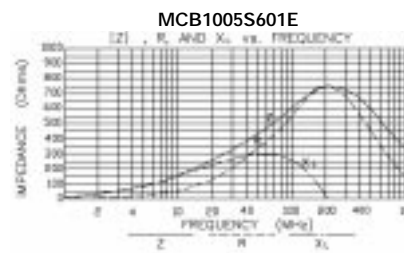
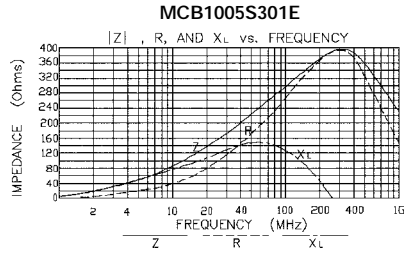
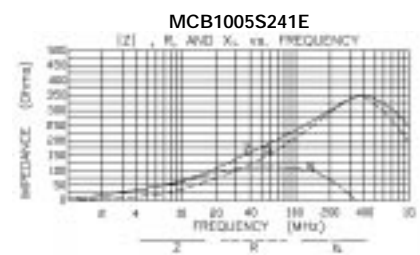
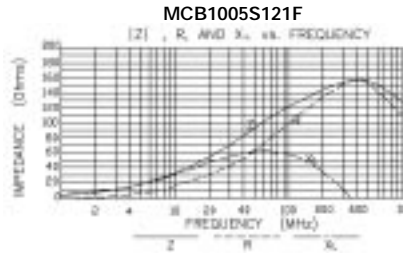
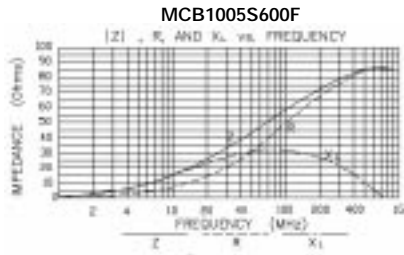
Size	Length L Min (inch)	Width W Min (inch)	Thickness T Min (inch)	Electrode width E Min (inch) max.
1005 (0402)	1.0 ± 0.100 (0.04 ± 0.004)	0.50 ± 0.100 (0.02 ± 0.004)	0.50 ± 0.100 (0.02 ± 0.004)	0.25 ± 0.100 (0.01 ± 0.004)
1608 (0603)	1.60 ± 0.150 (0.063 ± 0.006)	0.80 ± 0.150 (0.031 ± 0.006)	0.80 ± 0.150 (0.031 ± 0.006)	0.30 ± 0.200 (0.012 ± 0.008)
2012 (0805)	2.0 ± 0.200 (0.079 ± 0.008)	1.25 ± 0.200 (0.049 ± 0.008)	0.90 ± 0.200 (0.035 ± 0.008)	0.50 ± 0.300 (0.020 ± 0.012)
3216 (1206)	3.20 ± 0.200 (0.126 ± 0.008)	1.60 ± 0.200 (0.063 ± 0.008)	1.10 ± 0.200 (0.043 ± 0.008)	0.50 ± 0.300 (0.020 ± 0.012)
3225 (1210)	3.20 ± 0.200 (0.126 ± 0.008)	2.50 ± 0.200 (0.098 ± 0.008)	1.30 ± 0.200 (0.051 ± 0.008)	0.50 ± 0.300 (0.020 ± 0.012)
4516 (1806)	4.50 ± 0.250 (0.177 ± 0.010)	1.60 ± 0.200 (0.063 ± 0.008)	1.60 ± 0.200 (0.063 ± 0.008)	0.60 ± 0.400 (0.024 ± 0.016)
4532 (1812)	4.50 ± 0.250 (0.177 ± 0.010)	3.20 ± 0.250 (0.126 ± 0.010)	1.50 ± 0.250 (0.059 ± 0.010)	0.60 ± 0.400 (0.022 ± 0.016)

Standard Part No.	Impedance (ohm) +/- 25%	Impedance Test Freq.	Standard Resistance DCR max.	Standard Rated Current (mA)	Max. Rated Current (mA) Selection											7" Reel Qty.	13" Reel Qty.
					A	B	C	D	E	F	G	H	I	L			
					mA	mA	mA	mA	mA	mA	mA	mA	mA	mA			
MCB1005S200F_	20	100	0.13	300	50	80	100	150	200	300	400	500	600	1000	4k	10K	
MCB1005S300F_	30	100	0.15	300	50	80	100	150	200	300	400	500	600	1000	4k	10K	
MCB1005S400F_	40	100	0.15	300	50	80	100	150	200	300	400	500	600	-	4k	10K	
MCB1005S600F_	60	100	0.30	300	50	80	100	150	200	300	400	500	600	-	4k	10K	
MCB1005S700F_	70	100	0.30	300	50	80	100	150	200	300	400	500	600	-	4k	10K	
MCB1005S121F_	120	100	0.40	300	50	80	100	150	200	300	400	500	600	-	4k	10K	
MCB1005S241E_	240	100	0.70	200	50	80	100	150	200	300	400	500	-	-	4k	10K	
MCB1005S301E_	300	100	0.80	200	50	80	100	150	200	300	400	-	-	-	4k	10K	
MCB1005S601E_	600	100	1.00	200	50	80	100	150	200	300	-	-	-	-	4k	10K	
MCB1608S100I_	10	100	0.05	600	50	80	100	150	200	300	400	500	600	1000	4k	10K	
MCB1608S220I_	22	100	0.05	600	50	80	100	150	200	300	400	500	600	1000	4k	10K	
MCB1608S300I_	30	100	0.08	600	50	80	100	150	200	300	400	500	600	1000	4k	10K	
MCB1608S400I_	40	100	0.10	600	50	80	100	150	200	300	400	500	600	1000	4k	10K	
MCB1608S600I_	60	100	0.10	600	50	80	100	150	200	300	400	500	600	1000	4k	10K	
MCB1608S680I_	68	100	0.10	600	50	80	100	150	200	300	400	500	600	1000	4k	10K	
MCB1608S700I_	70	100	0.10	600	50	80	100	150	200	300	400	500	600	1000	4k	10K	
MCB1608S800G_	80	100	0.10	400	50	80	100	150	200	300	400	500	600	1000	4k	10K	
MCB1608S101G_	100	100	0.15	400	50	80	100	150	200	300	400	500	600	1000	4k	10K	
MCB1608S121G_	120	100	0.15	400	50	80	100	150	200	300	400	500	600	1000	4k	10K	
MCB1608S181F_	180	100	0.30	300	50	80	100	150	200	300	400	500	600	1000	4k	10K	
MCB1608S221F_	220	100	0.30	300	50	80	100	150	200	300	400	500	600	1000	4k	10K	
MCB1608S301F_	300	100	0.35	300	50	80	100	150	200	300	400	500	600	1000	4k	10K	
MCB1608S451F_	450	100	0.40	300	50	80	100	150	200	300	400	500	600	-	4k	10K	

Standard Part No.	Impedance (ohm) +/- 25%	Impedance Test Freq.	Standard Resistance DCR max.	Standard Rated Current (mA)	Max. Rated Current (mA) Selection										7" Reel Qty.	13" Reel Qty.
					A	B	C	D	E	F	G	H	I	L		
					mA	mA	mA	mA	mA	mA	mA	mA	mA	mA		
MCB1608S471E_	470	100	0.40	200	50	80	100	150	200	300	400	500	600	-	4k	10K
MCB1608S601E_	600	100	0.45	200	50	80	100	150	200	300	400	-	-	-	4k	10K
MCB1608S751C_	750	100	0.60	100	50	80	100	150	200	300	400	-	-	-	4k	10K
MCB1608S102C_	1000	100	0.60	100	50	80	100	150	200	300	400	-	-	-	4k	10K
MCB2012S070I_	7	100	0.05	600	50	80	100	150	200	300	400	500	600	1000	4k	10K
MCB2012S110I_	11	100	0.05	600	50	80	100	150	200	300	400	500	600	1000	4k	10K
MCB2012S170I_	17	100	0.05	600	50	80	100	150	200	300	400	500	600	1000	4k	10K
MCB2012S260I_	26	100	0.05	600	50	80	100	150	200	300	400	500	600	1000	4k	10K
MCB2012S320I_	32	100	0.05	600	50	80	100	150	200	300	400	500	600	1000	4k	10K
MCB2012S400I_	40	100	0.05	600	50	80	100	150	200	300	400	500	600	1000	4k	10K
MCB2012S600I_	60	100	0.10	600	50	80	100	150	200	300	400	500	600	1000	4k	10K
MCB2012S800I_	80	100	0.10	600	50	80	100	150	200	300	400	500	600	1000	4k	10K
MCB2012S900I_	90	100	0.10	600	50	80	100	150	200	300	400	500	600	1000	4k	10K
MCB2012S121H_	120	100	0.15	500	50	80	100	150	200	300	400	500	600	1000	4k	10K
MCB2012S151H_	150	100	0.15	500	50	80	100	150	200	300	400	500	600	1000	4k	10K
MCB2012S181H_	180	100	0.20	500	50	80	100	150	200	300	400	500	600	1000	4k	10K
MCB2012S221H_	220	100	0.20	500	50	80	100	150	200	300	400	500	600	1000	4k	10K
MCB2012S301H_	300	100	0.20	500	50	80	100	150	200	300	400	500	600	1000	4k	10K
MCB2012S401H_	400	100	0.30	500	50	80	100	150	200	300	400	500	600	1000	4k	10K
MCB2012S601H_	600	100	0.30	500	50	80	100	150	200	300	400	500	600	1000	4k	10K
MCB2012S701F_	700	100	0.35	300	50	80	100	150	200	300	400	500	600	1000	4k	10K
MCB2012S102F_	1000	100	0.35	300	50	80	100	150	200	300	400	500	600	1000	4k	10K
MCB2012S152E_	1500	100	0.40	200	50	80	100	150	200	300	400	500	600	-	4k	10K
MCB2012S202E_	2000	100	0.50	200	50	80	100	150	200	300	400	500	600	-	4k	10K
MCB2012S222E_	2200	100	0.60	200	50	80	100	150	200	300	400	500	600	-	4k	10K
MCB3216S190I_	19	100	0.050	600	50	80	100	150	200	300	400	500	600	1000	3k	6K
MCB3216S260I_	26	100	0.050	600	50	80	100	150	200	300	400	500	600	1000	3k	6K
MCB3216S310I_	31	100	0.050	600	50	80	100	150	200	300	400	500	600	1000	3k	6K
MCB3216S500I_	50	100	0.080	600	50	80	100	150	200	300	400	500	600	1000	3k	6K
MCB3216S700I_	70	100	0.100	600	50	80	100	150	200	300	400	500	600	1000	3k	6K
MCB3216S900H_	90	100	0.150	500	50	80	100	150	200	300	400	500	600	1000	3k	6K
MCB3216S121H_	120	100	0.150	500	50	80	100	150	200	300	400	500	600	1000	3k	6K
MCB3216S151H_	150	100	0.150	500	50	80	100	150	200	300	400	500	600	1000	3k	6K
MCB3216S201H_	200	100	0.200	500	50	80	100	150	200	300	400	500	600	1000	3k	6K
MCB3216S221H_	220	100	0.200	500	50	80	100	150	200	300	400	500	600	1000	3k	6K
MCB3216S301H_	300	100	0.200	500	50	80	100	150	200	300	400	500	600	1000	3k	6K
MCB3216S601H_	600	100	0.300	500	50	80	100	150	200	300	400	500	600	1000	3k	6K
MCB3216S801E_	800	100	0.300	200	50	80	100	150	200	300	400	500	600	-	3k	6K
MCB3216S102E_	1000	100	0.400	200	50	80	100	150	200	300	400	500	600	-	3k	6K
MCB3216S122E_	1200	100	0.400	200	50	80	100	150	200	300	400	500	600	-	3k	6K
MCB3216S152E_	1500	50	0.500	200	50	80	100	150	200	300	400	500	600	-	3k	6K
MCB3216S202E_	2000	30	0.500	200	50	80	100	150	200	300	400	500	600	-	3k	6K
MCB3225S310G_	31	100	0.3	400	50	80	100	150	200	300	400	500	600	1000	2k	5K
MCB3225S600G_	60	100	0.3	400	50	80	100	150	200	300	400	500	600	1000	2k	5K
MCB3225S900G_	90	100	0.3	400	50	80	100	150	200	300	400	500	600	1000	2k	5K
MCB4516S680H_	68	100	0.1	500	50	80	100	150	200	300	400	500	600	1000	2k	5K
MCB4516S800G_	80	100	0.1	400	50	80	100	150	200	300	400	500	600	1000	2k	5K
MCB4516S101F_	100	100	0.2	300	50	80	100	150	200	300	400	500	600	1000	2k	5K
MCB4516S151E_	150	100	0.3	200	50	80	100	150	200	300	400	500	600	1000	2k	5K
MCB4532S700E_	70	100	0.4	200	50	80	100	150	200	300	400	500	600	1000	1k	2.5K
MCB4532S800E_	80	100	0.4	200	50	80	100	150	200	300	400	500	600	1000	1k	2.5K
MCB4532S121E_	120	100	0.4	200	50	80	100	150	200	300	400	500	600	1000	1k	2.5K

Impedance vs. Frequency

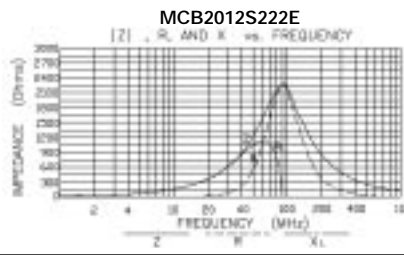
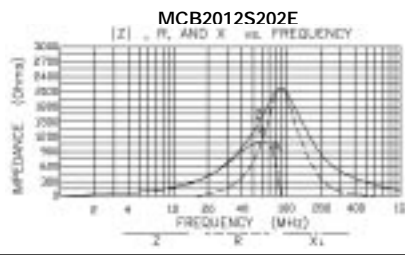
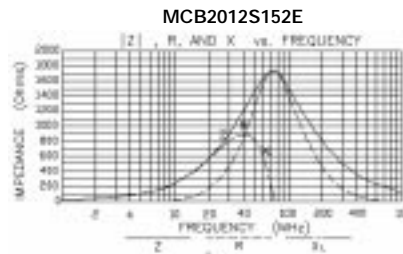
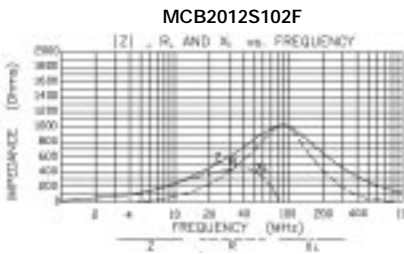
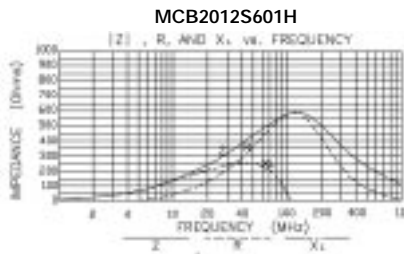
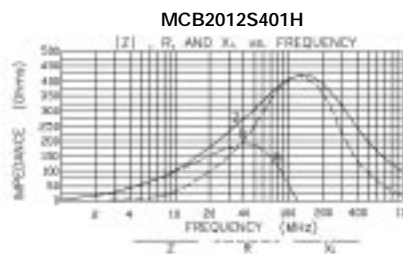
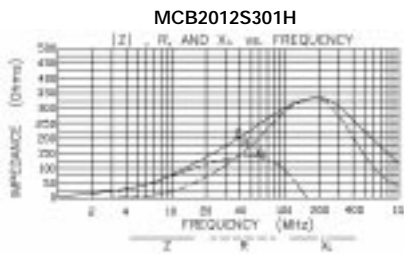
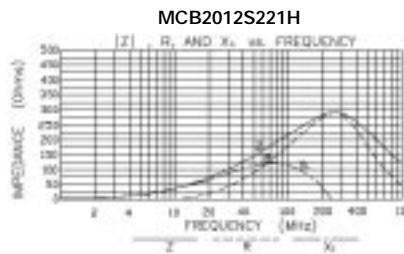
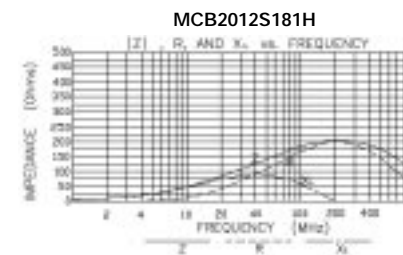
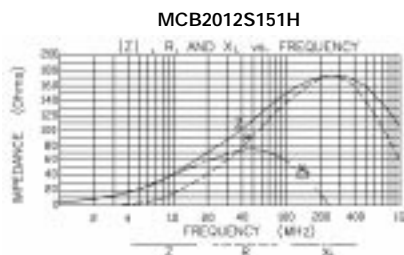
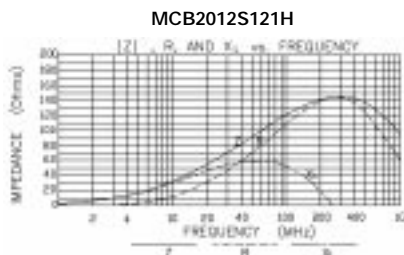
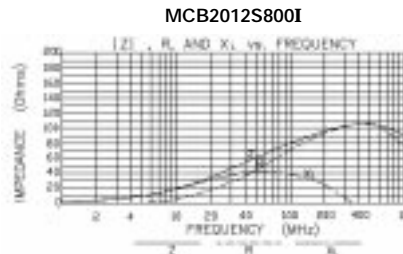
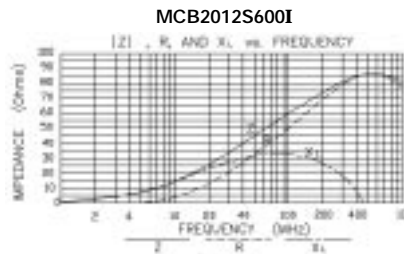
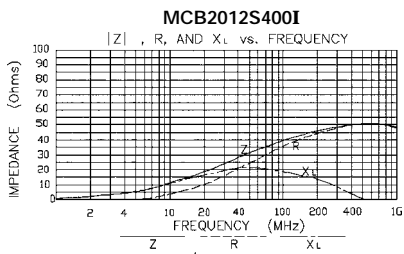
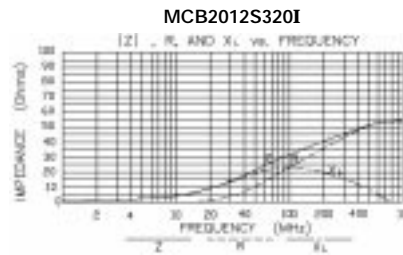
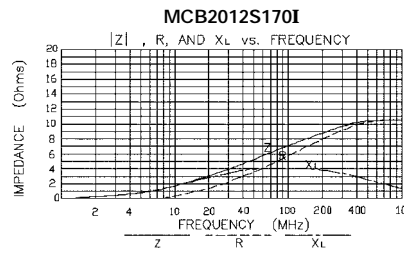
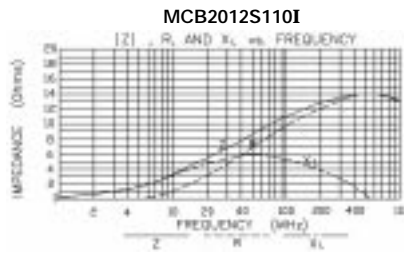
SINGLE LINE IMPEDANCE CHIP BEAD





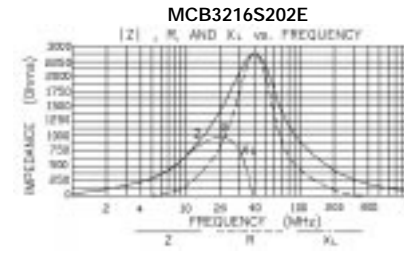
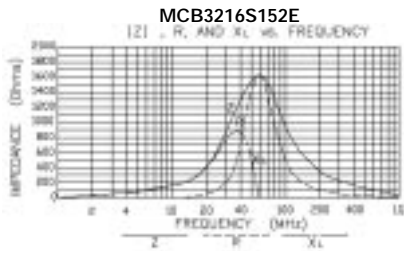
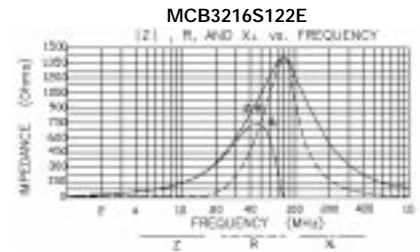
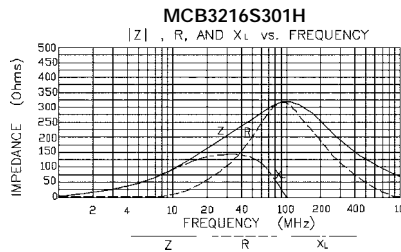
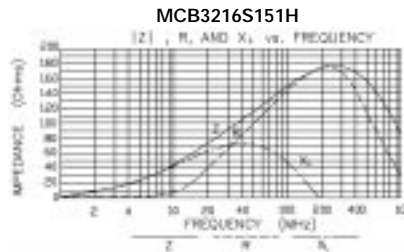
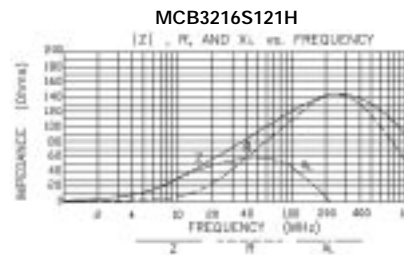
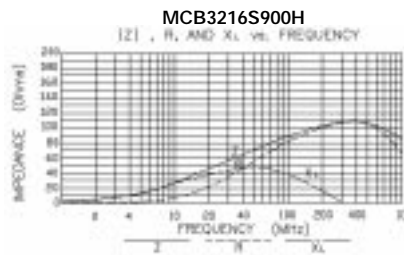
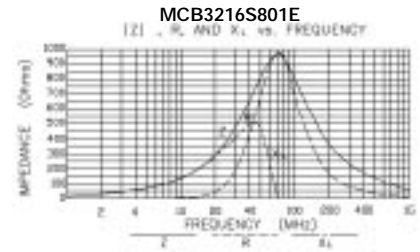
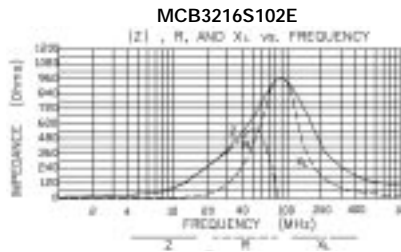
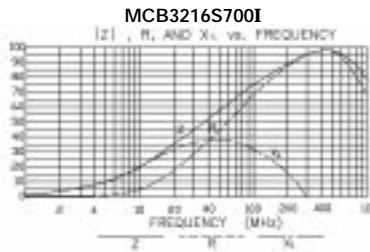
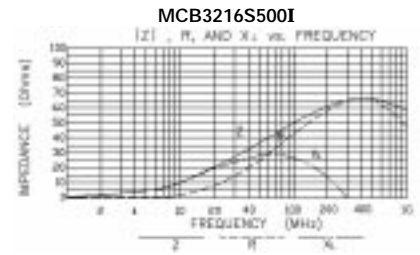
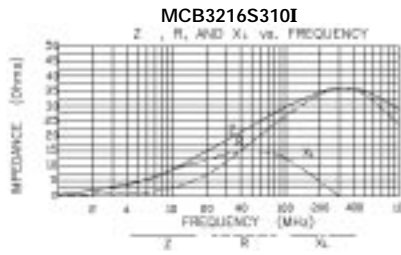
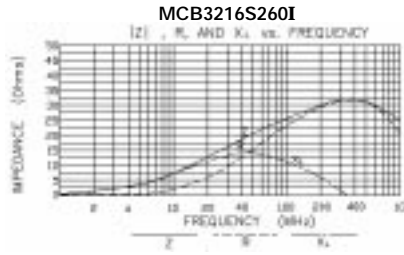
Impedance vs. Frequency

SINGLE LINE  
IMPEDANCE CHIP BEAD

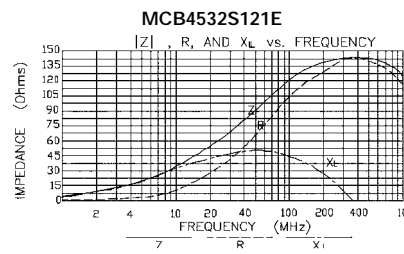
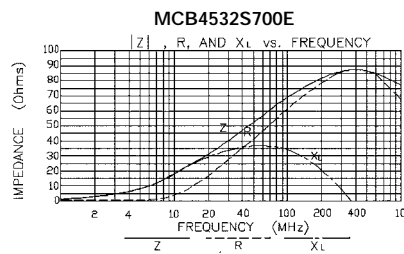
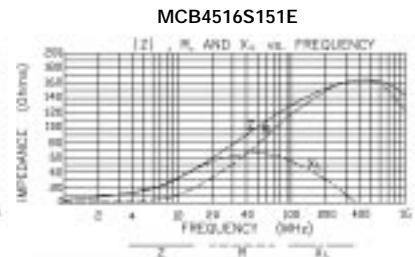
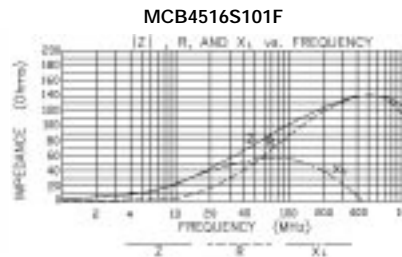
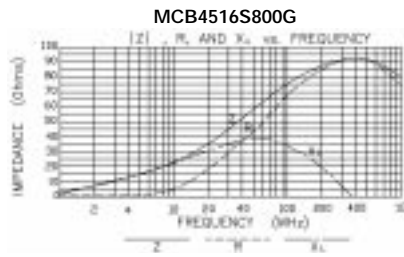


Impedance vs. Frequency

SINGLE LINE  
IMPEDANCE CHIP BEAD



Impedance vs. Frequency



SINGLE LINE  
IMPEDANCE CHIP BEAD