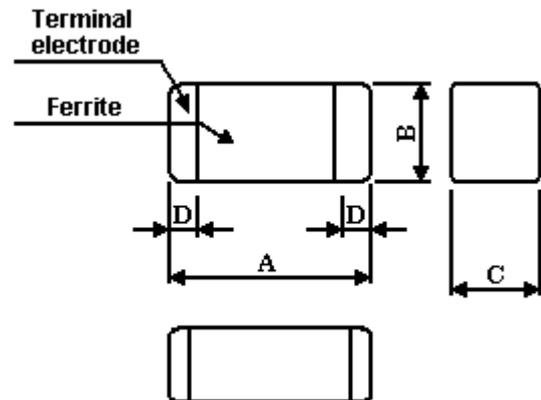


## MULTILAYER CHIP BEADS EFZ SERIES

### FEATURES

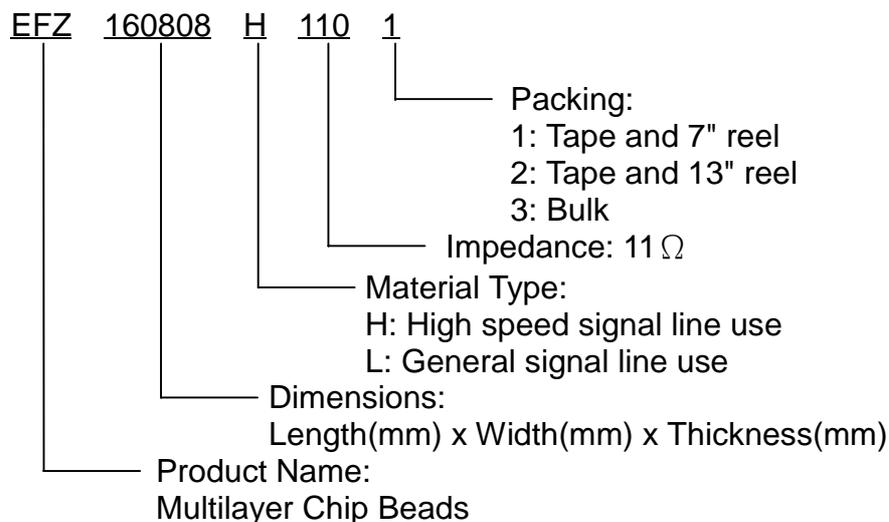
- Monolithic inorganic material construction for high reliability; perfect shape for Automatic mounting, with no direction.
- Minimum floating capacity and excellent high frequency characteristics.
- Available in various sizes from 160808-453215 for wide range of application.
- Closed magnetic circuit avoids crosstalk, suitable for high density PCB.

### DIMENSIONS (UNIT: mm)



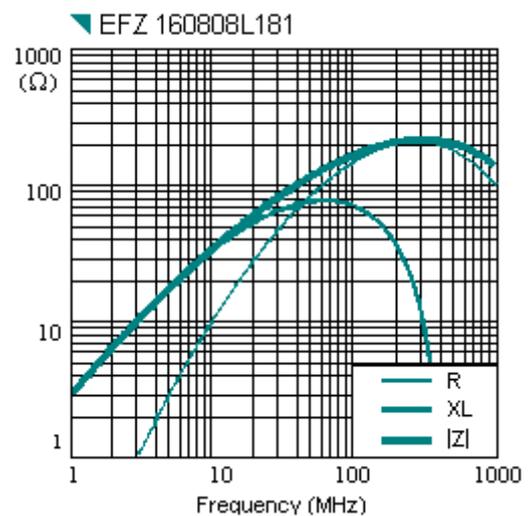
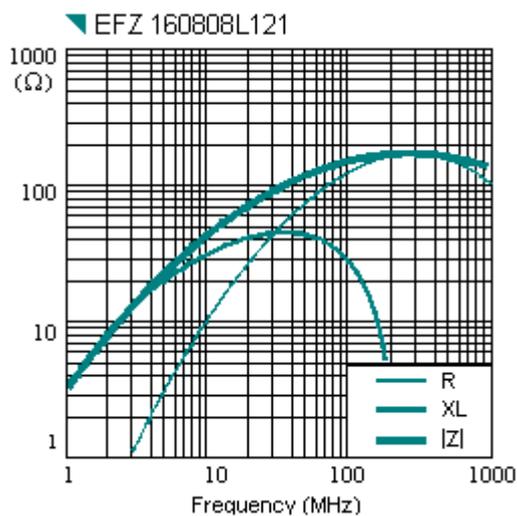
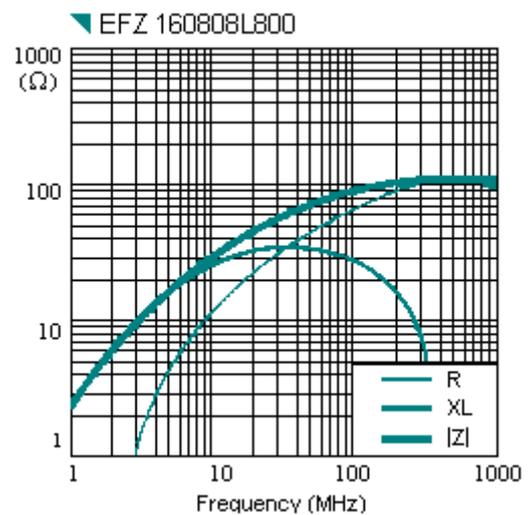
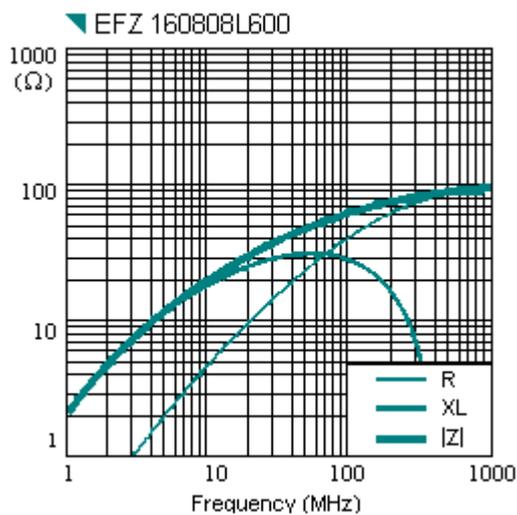
Type	A± 0.2(0.008)	B± 0.2(0.008)	C± 0.2(0.008)	D± 0.3(0.012)
EFZ 160808	1.6 (0.063)	0.8 (0.031)	0.8 (0.031)	0.4 (0.016)
EFZ 201209	2.0 (0.079)	1.25 (0.049)	0.9 (0.035)	0.5 (0.020)
EFZ 321611	3.2 (0.126)	1.6 (0.063)	1.1 (0.043)	0.5 (0.020)
EFZ 322513	3.2 (0.126)	2.5 (0.098)	1.3 (0.051)	0.5 (0.020)
EFZ 451616	4.5 (0.177)	1.6 (0.063)	1.6 (0.063)	0.5 (0.020)
EFZ 453215	4.5 (0.177)	3.2 (0.126)	1.5 (0.059)	0.5 (0.020)

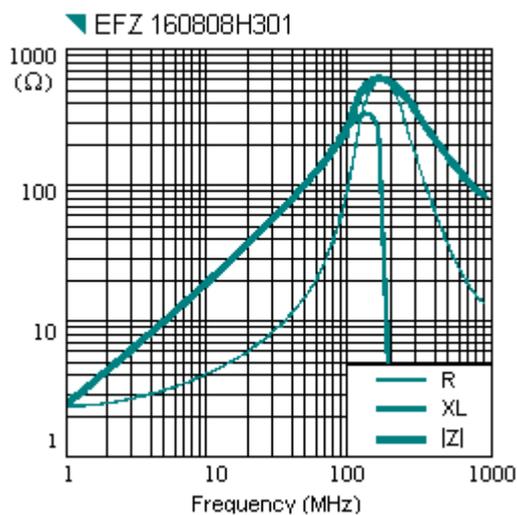
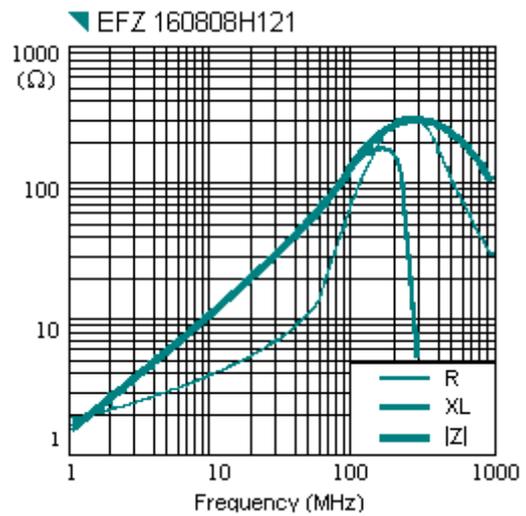
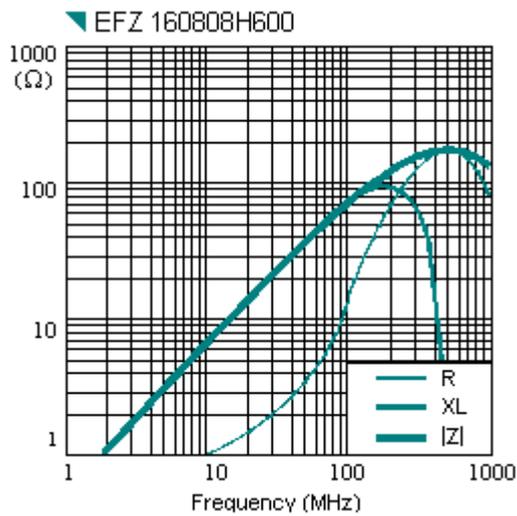
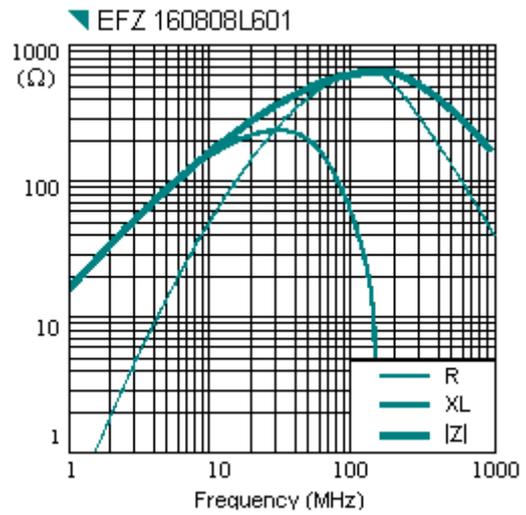
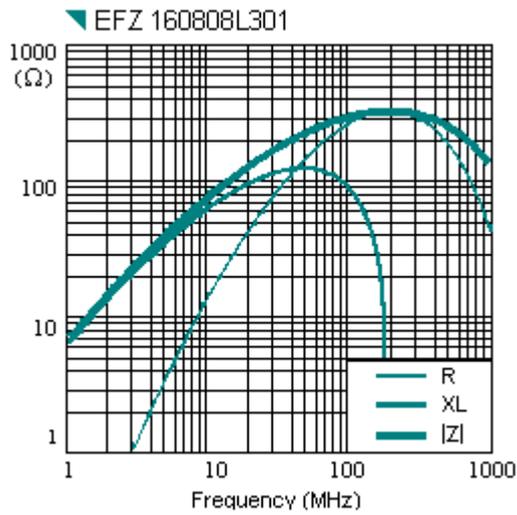
### PART NUMBERING SYSTEM



## ■ Electrical Characteristics (Type: EFZ 160808)

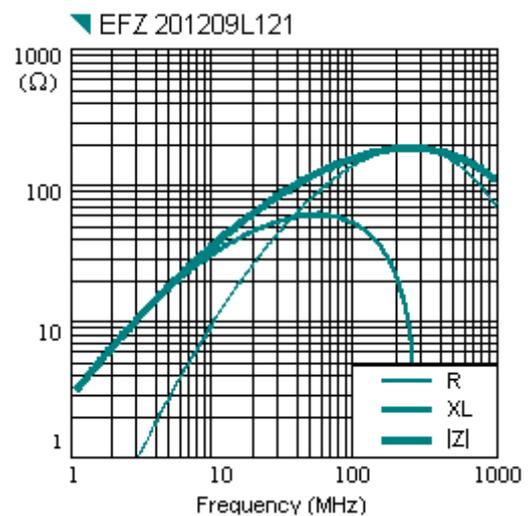
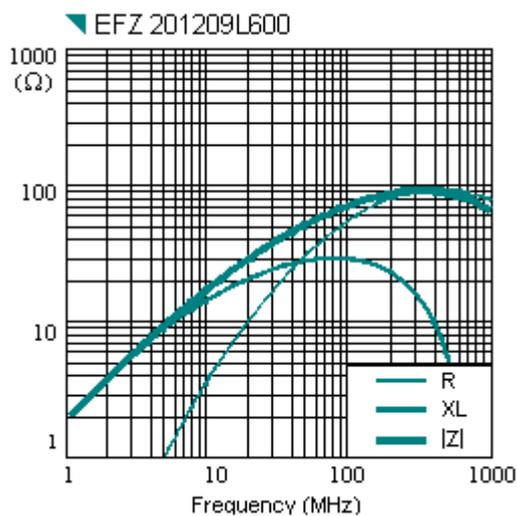
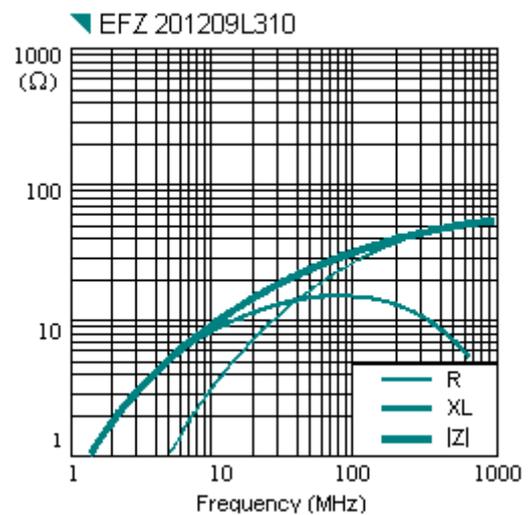
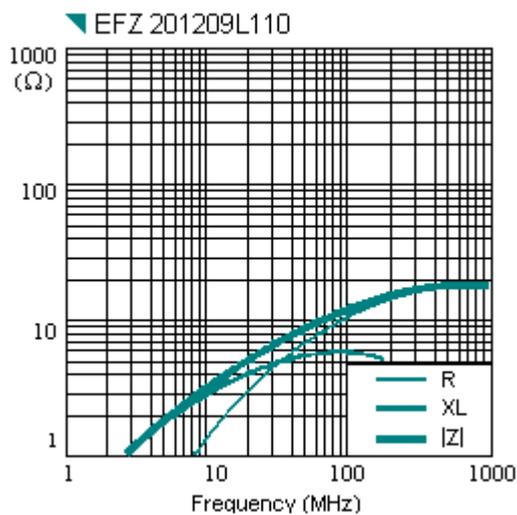
Part No.	Test Frequency (MHz)	Impedance ( $\Omega$ )	DC Resistance ( $\Omega$ )Max.	Rating Current (mA)Max.
EFZ 160808L600	100	60 $\pm$ 25%	0.2	200
EFZ 160808L800	100	80 $\pm$ 25%	0.2	150
EFZ 160808L121	100	120 $\pm$ 25%	0.3	150
EFZ 160808L181	100	180 $\pm$ 25%	0.5	150
EFZ 160808L301	100	300 $\pm$ 25%	0.6	100
EFZ 160808L601	100	600 $\pm$ 25%	0.8	100
EFZ 160808H600	100	60 $\pm$ 25%	0.3	100
EFZ 160808H121	100	120 $\pm$ 25%	0.5	50
EFZ 160808H301	100	300 $\pm$ 25%	0.8	50

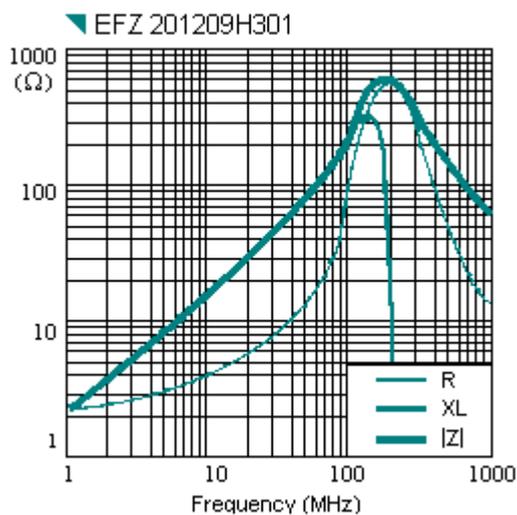
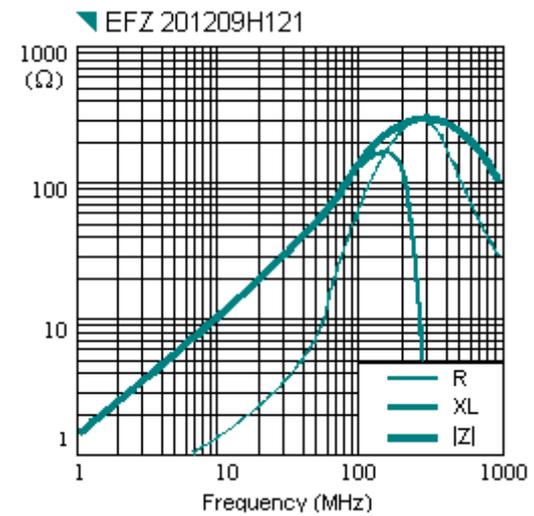
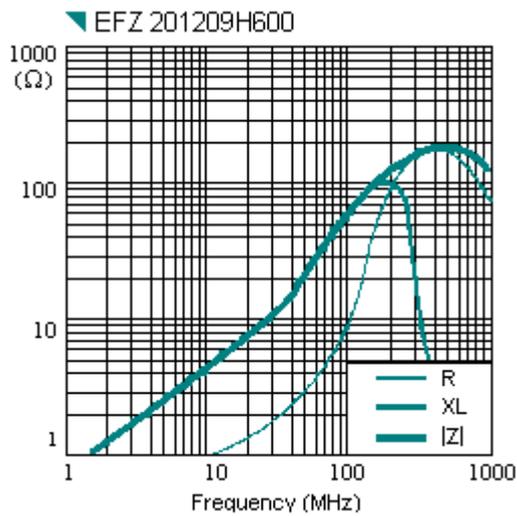
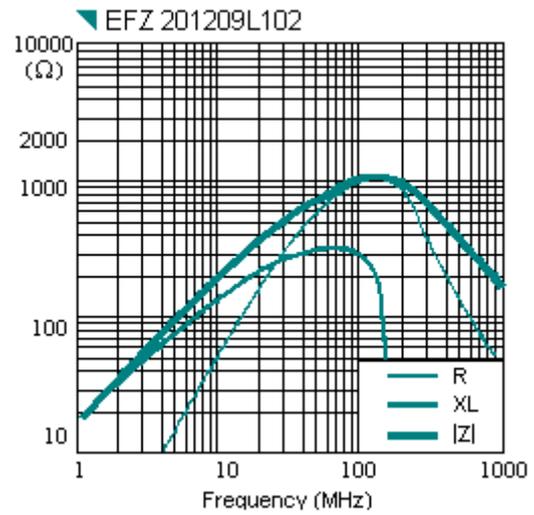
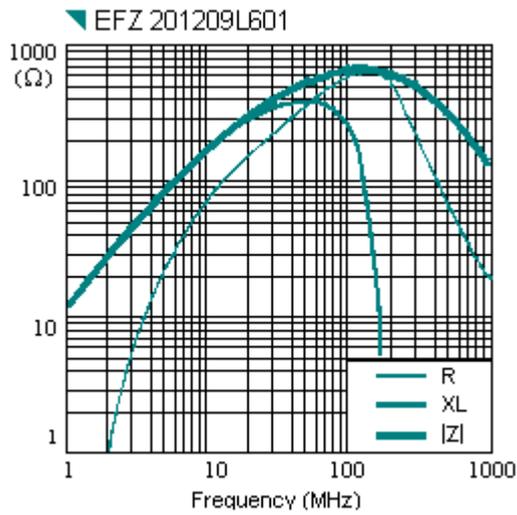




### ■ Electrical Characteristics (Type: EFZ 201209)

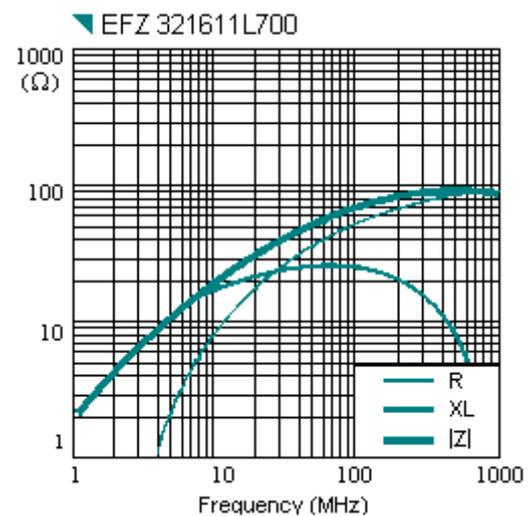
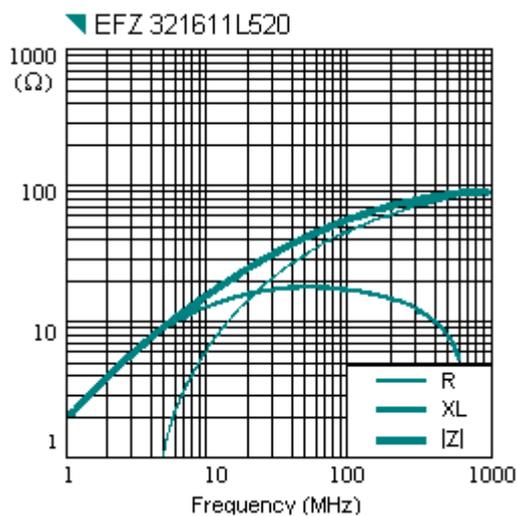
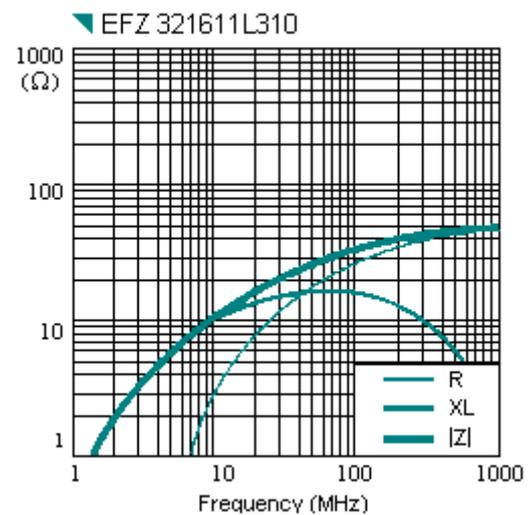
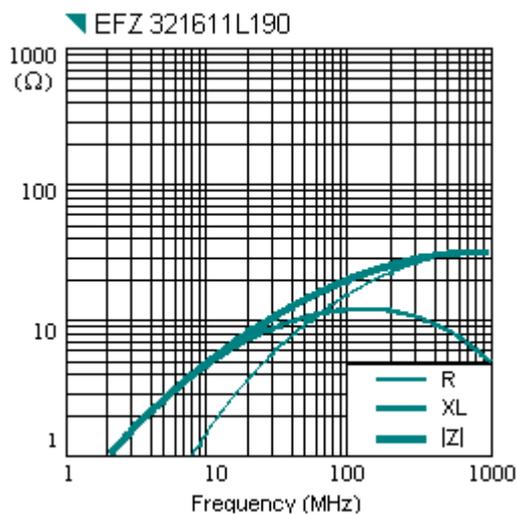
Part No.	Test Frequency (MHz)	Impedance ( $\Omega$ )	DC Resistance ( $\Omega$ )Max.	Rating Current (mA)Max.
EFZ 201209L110	100	11 $\pm$ 25%	0.1	300
EFZ 201209L310	100	31 $\pm$ 25%	0.2	300
EFZ 201209L600	100	60 $\pm$ 25%	0.2	300
EFZ 201209L121	100	120 $\pm$ 25%	0.3	300
EFZ 201209L601	100	600 $\pm$ 25%	0.6	200
EFZ 201209L102	100	1000 $\pm$ 25%	0.8	100
EFZ 201209H600	100	60 $\pm$ 25%	0.2	300
EFZ 201209H121	100	120 $\pm$ 25%	0.3	250
EFZ 201209H301	100	300 $\pm$ 25%	0.5	250

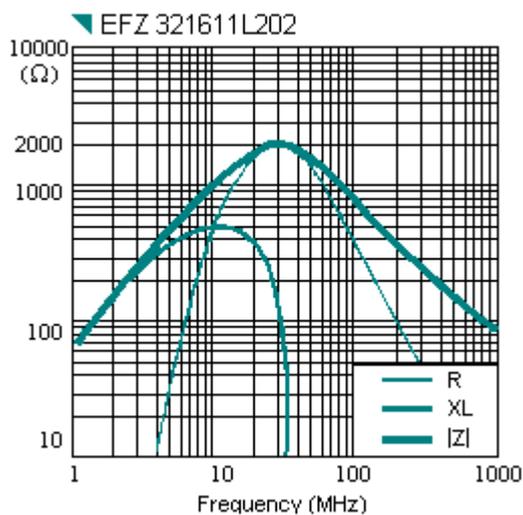
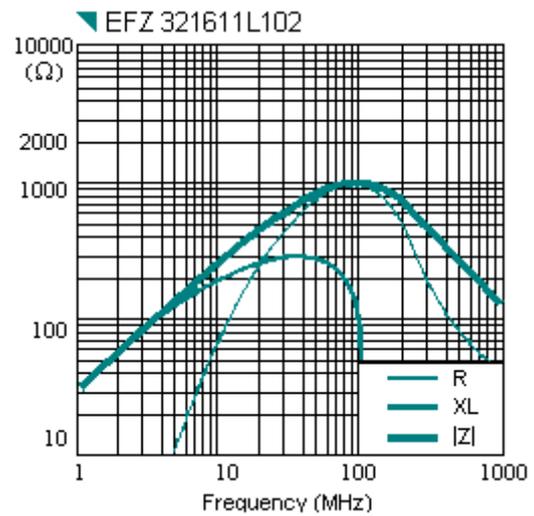
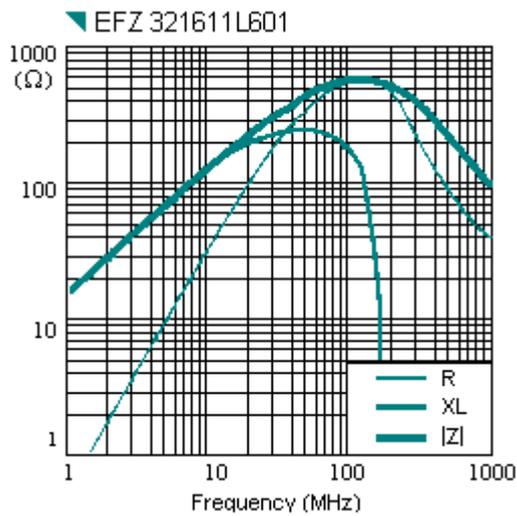
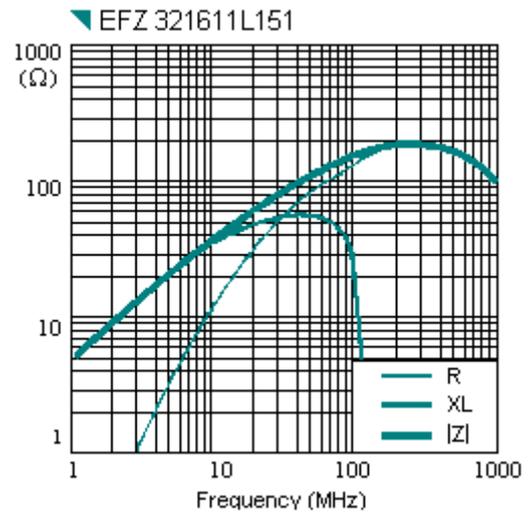
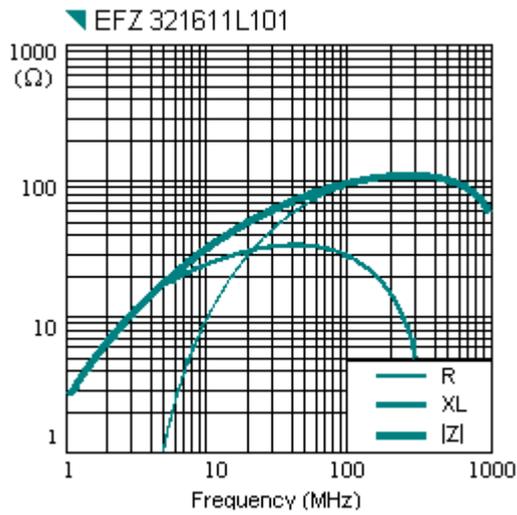




### ■ Electrical Characteristics (Type: EFZ 321611)

Part No.	Test Frequency (MHz)	Impedance ( $\Omega$ )	DC Resistance ( $\Omega$ )Max.	Rating Current (mA)Max.
EFZ 321611L190	100	19 $\pm$ 25%	0.1	500
EFZ 321611L310	100	31 $\pm$ 25%	0.1	500
EFZ 321611L520	100	52 $\pm$ 25%	0.2	400
EFZ 321611L700	100	70 $\pm$ 25%	0.2	400
EFZ 321611L101	100	100 $\pm$ 25%	0.2	300
EFZ 321611L151	100	150 $\pm$ 25%	0.2	300
EFZ 321611L601	100	600 $\pm$ 25%	0.6	200
EFZ 321611L102	100	1000 $\pm$ 25%	0.8	100
EFZ 321611L202	30	2000 $\pm$ 25%	1	100





■ **Electrical Characteristics (Type: EFZ 322513, 451616, 453215)**

Part No.	Test Frequency (MHz)	Impedance ( $\Omega$ )	DC Resistance ( $\Omega$ )Max.	Rating Current (mA)Max.
EFZ 322513L310	100	31 $\pm$ 25%	0.1	500
EFZ 322513L520	100	52 $\pm$ 25%	0.3	400
EFZ 322513L600	100	60 $\pm$ 25%	0.3	400
EFZ 451616L600	100	60 $\pm$ 25%	0.2	500
EFZ 451616L800	100	80 $\pm$ 25%	0.3	400
EFZ 451616L101	100	100 $\pm$ 25%	0.3	500
EFZ 451616L151	100	150 $\pm$ 25%	0.5	200
EFZ 453215L600	100	60 $\pm$ 25%	0.4	300
EFZ 453215L121	100	120 $\pm$ 25%	0.4	300

