



Low Current Chips

Steward's two-terminal surface mount ferrites provide compact, cost effective EMI filtering for densely packed PCB designs. The small footprint enables placement within a fraction of an inch of troublesome high frequency devices. Our proprietary SMT construction yields rugged components with impedance versus frequency characteristics superior to those of similar products.

FEATURES:

- Small footprint
- Economical
- Rugged construction
- Superior impedance vs. Frequency characteristics

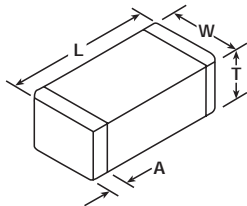
APPLICATIONS:

- Filtering of low frequency input/output signals of shielded enclosures

PART NUMBERING SYSTEM

LI	0603	B	680	R
PRODUCT SERIES CODE	PACKAGE SIZE CODE	RATED CURRENT CODE	IMPEDANCE VALUE CODE	TAPING CODE

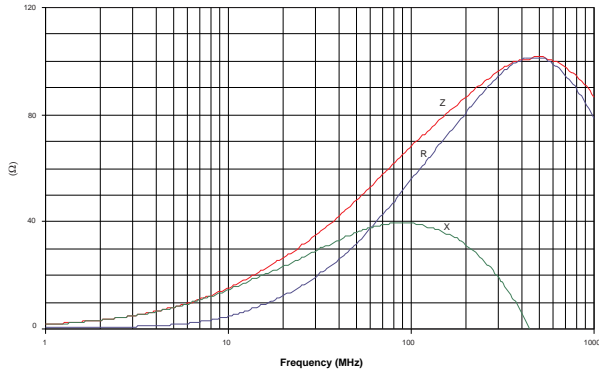
PART NUMBER	L	W	T	A	Z			DCR MAX OHMS	RATED i MAX mA	OPERATING TEMPERATURE
	mm (inches)	mm (inches)	mm (inches)	mm (inches)	100MHz	500 MHz	1 GHz			
LI 0603 B 680 R	1.60 ± 0.15 (.063 ± .006)	0.80 ± 0.15 (.031 ± .006)	0.80 ± 0.15 (.031 ± .006)	0.30 ± 0.15 (.012 ± .006)	68	101	86	0.300	200	- 55° C TO + 125° C
LI 0603 B 121 R	1.60 ± 0.15 (.063 ± .006)	0.80 ± 0.15 (.031 ± .006)	0.80 ± 0.15 (.031 ± .006)	0.30 ± 0.15 (.012 ± .006)	120	169	126	0.500	200	
LI 0603 A 221 R	1.60 ± 0.15 (.063 ± .006)	0.80 ± 0.15 (.031 ± .006)	0.80 ± 0.15 (.031 ± .006)	0.30 ± 0.15 (.012 ± .006)	220	279	168	0.500	100	
LI 0805 F 110 R	2.00 ± 0.20 (.079 ± .008)	1.32 ± 0.20 (.052 ± .008)	1.02 ± 0.20 (.040 ± .008)	0.46 ± 0.20 (.018 ± .008)	11	19	20	0.100	600	
LI 0805 E 400 R	2.00 ± 0.20 (.079 ± .008)	1.32 ± 0.20 (.052 ± .008)	1.02 ± 0.20 (.040 ± .008)	0.46 ± 0.20 (.018 ± .008)	40	57	61	0.200	500	
LI 0805 C 121 R	2.00 ± 0.20 (.079 ± .008)	1.32 ± 0.20 (.052 ± .008)	0.90 ± 0.20 (.035 ± .008)	0.46 ± 0.20 (.018 ± .008)	120	167	129	0.300	300	
LI 0805 D 121 R	2.00 ± 0.20 (.079 ± .008)	1.32 ± 0.20 (.052 ± .008)	0.90 ± 0.20 (.035 ± .008)	0.46 ± 0.20 (.018 ± .008)	120	173	133	0.150	400	
LI 0805 B 151 R	2.00 ± 0.20 (.079 ± .008)	1.32 ± 0.20 (.052 ± .008)	0.90 ± 0.20 (.035 ± .008)	0.46 ± 0.20 (.018 ± .008)	150	197	131	0.600	200	
LI 1206 E 260 R	3.20 ± 0.20 (.126 ± .008)	1.60 ± 0.20 (.063 ± .008)	1.02 ± 0.20 (.040 ± .008)	0.46 ± 0.20 (.018 ± .008)	26	46	49	0.200	500	
LI 1206 E 310 R	3.20 ± 0.20 (.126 ± .008)	1.60 ± 0.20 (.063 ± .008)	1.02 ± 0.20 (.040 ± .008)	0.46 ± 0.20 (.018 ± .008)	31	45	50	0.200	500	
LI 1206 B 900 R	3.20 ± 0.20 (.126 ± .008)	1.60 ± 0.20 (.063 ± .008)	1.02 ± 0.20 (.040 ± .008)	0.46 ± 0.20 (.018 ± .008)	90	124	125	0.700	200	
LI 1206 C 900 R	3.20 ± 0.20 (.126 ± .008)	1.60 ± 0.20 (.063 ± .008)	1.02 ± 0.20 (.040 ± .008)	0.46 ± 0.20 (.018 ± .008)	90	142	168	0.500	300	
LI 1210 D 600 R	3.20 ± 0.20 (.126 ± .008)	2.50 ± 0.20 (.098 ± .008)	1.40 ± 0.20 (.055 ± .008)	0.46 ± 0.20 (.018 ± .008)	60	99	104	0.300	400	
LI 1806 E 800 R	4.50 ± 0.254 (.177 ± .010)	1.60 ± 0.254 (.063 ± .010)	1.60 ± 0.254 (.063 ± .010)	0.46 ± 0.20 (.018 ± .008)	80	129	131	0.300	500	
LI 1806 E 101 R	4.50 ± 0.254 (.177 ± .010)	1.60 ± 0.254 (.063 ± .010)	1.60 ± 0.254 (.063 ± .010)	0.46 ± 0.20 (.018 ± .008)	100	160	169	0.300	500	
LI 1806 B 151 R	4.50 ± 0.254 (.177 ± .010)	1.60 ± 0.254 (.063 ± .010)	1.60 ± 0.254 (.063 ± .010)	0.46 ± 0.20 (.018 ± .008)	150	252	200	0.700	200	
LI 1812 C 121 R	4.50 ± 0.254 (.177 ± .010)	3.20 ± 0.254 (.126 ± .010)	1.40 ± 0.254 (.055 ± .010)	0.46 ± 0.20 (.018 ± .008)	120	158	158	0.400	300	



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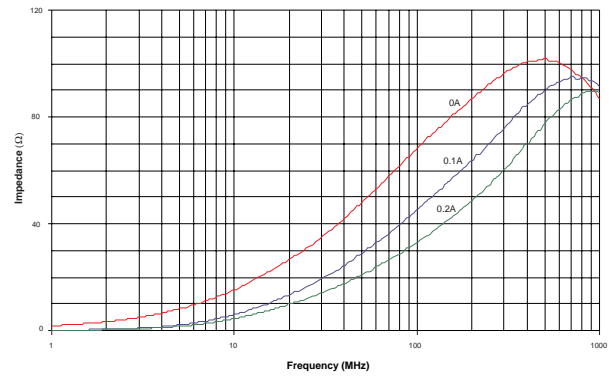
LI 0603 B 680R
Z, R, X_L vs. FREQUENCY

Impedance, Resistance, Inductive Reactance



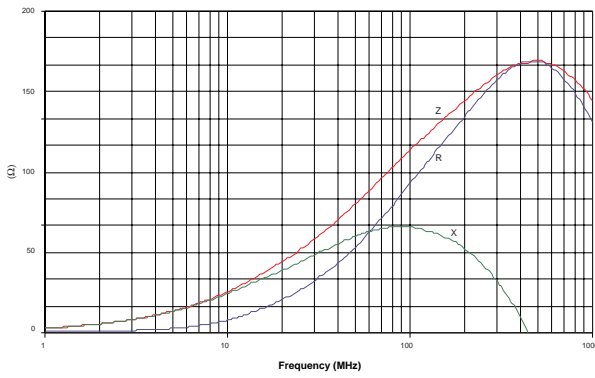
LI 0603 B 680R
Z vs. FREQUENCY

Impedance Under DC Bias



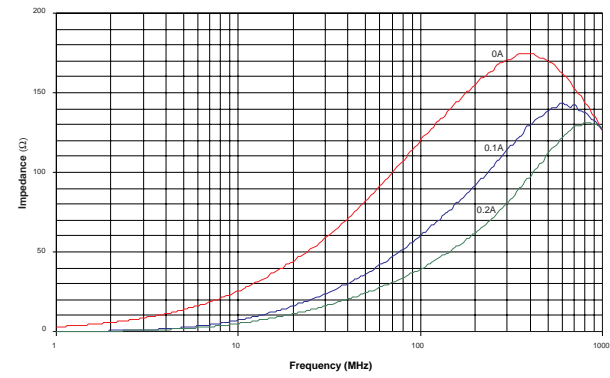
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Z, R, X_L vs. FREQUENCY

Impedance, Resistance, Inductive Reactance



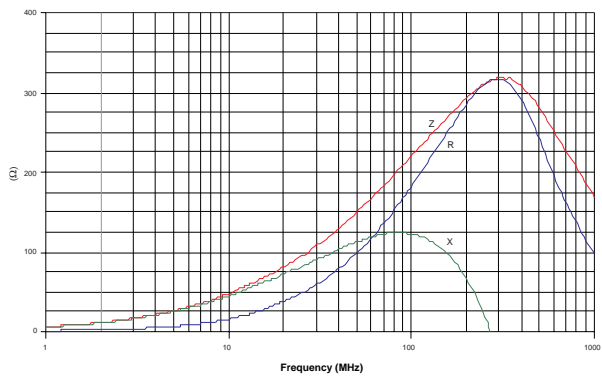
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Z vs. FREQUENCY

Impedance Under DC Bias



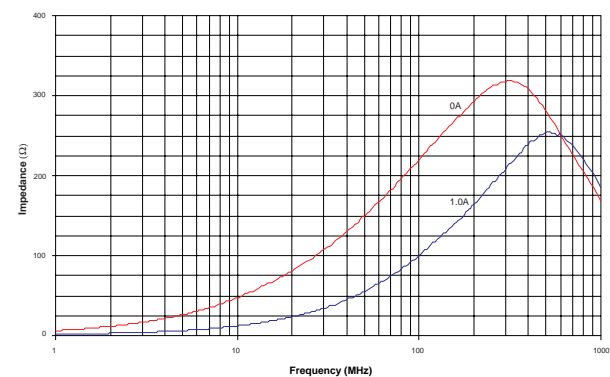
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Z, R, X_L vs. FREQUENCY

Impedance, Resistance, Inductive Reactance



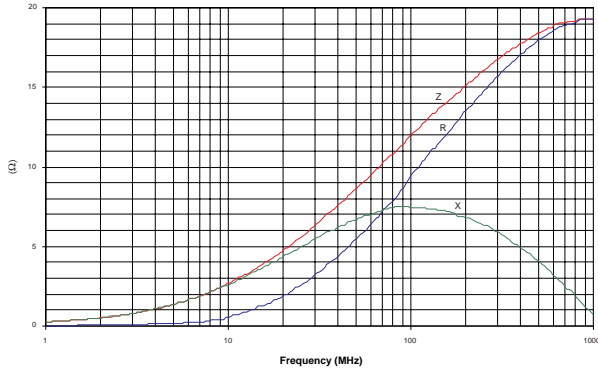
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Z vs. FREQUENCY

Impedance Under DC Bias

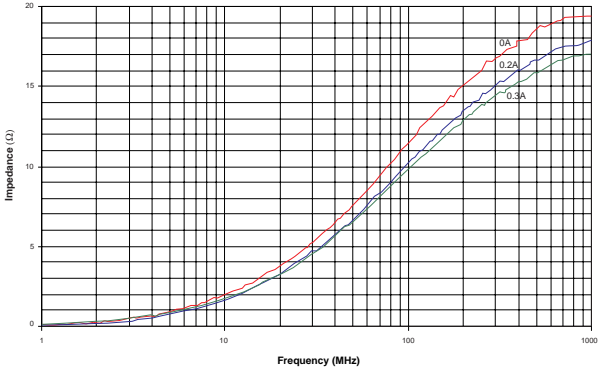


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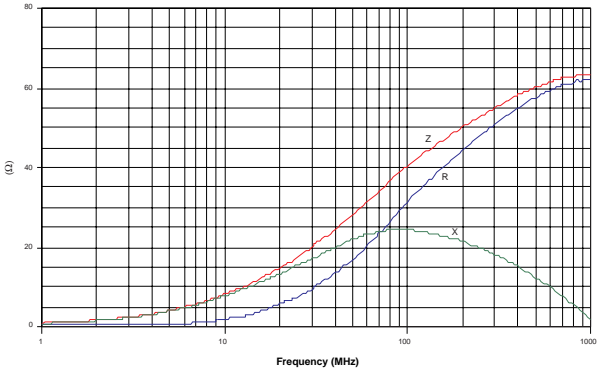
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Z, R, X_L vs. FREQUENCY
Impedance, Resistance, Inductive Reactance



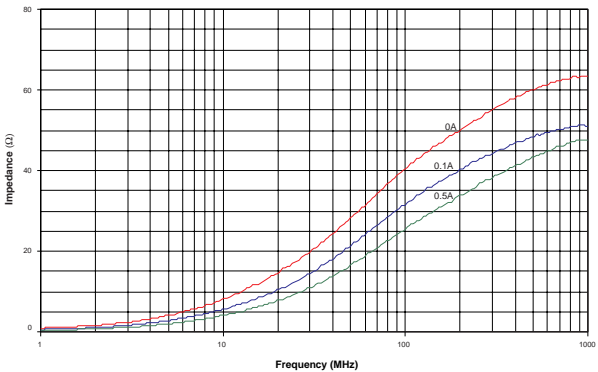
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Z vs. FREQUENCY
Impedance Under DC Bias



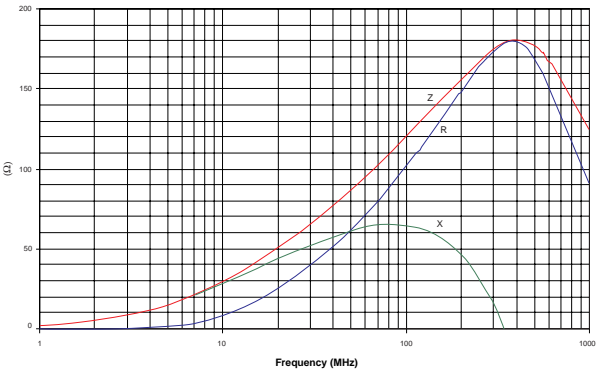
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Z, R, X_L vs. FREQUENCY
Impedance, Resistance, Inductive Reactance



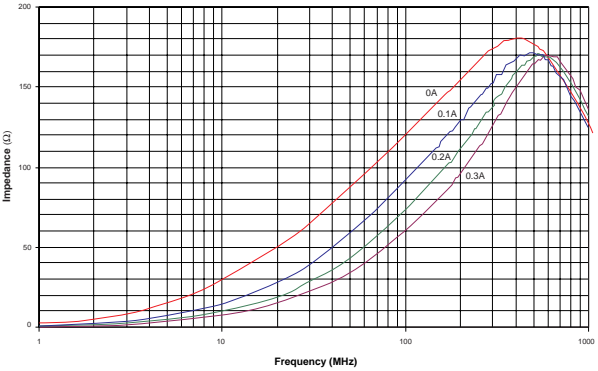
LI 0805 E 400R
Z vs. FREQUENCY
Impedance Under DC Bias



LI 0805 C 121R
Z, R, X_L vs. FREQUENCY
Impedance, Resistance, Inductive Reactance



LI 0805 C 121R
Z vs. FREQUENCY
Impedance Under DC Bias

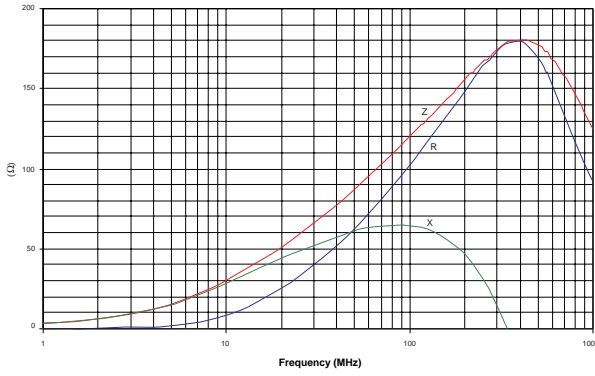


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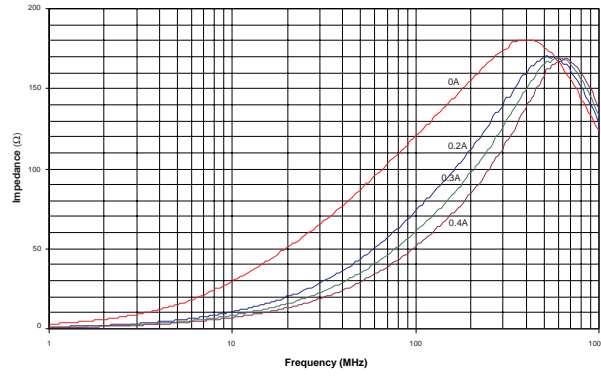
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Z, R, X_L vs. FREQUENCY

Impedance, Resistance, Inductive Reactance



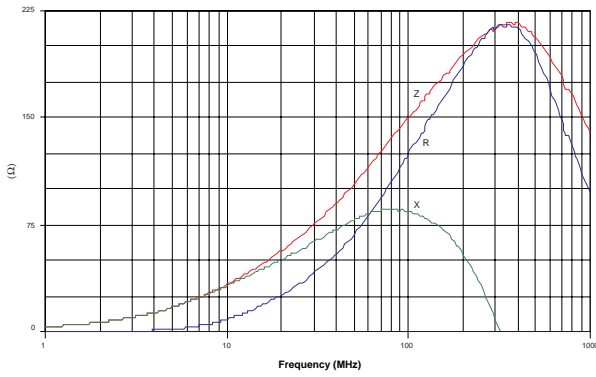
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Z vs. FREQUENCY

Impedance Under DC Bias



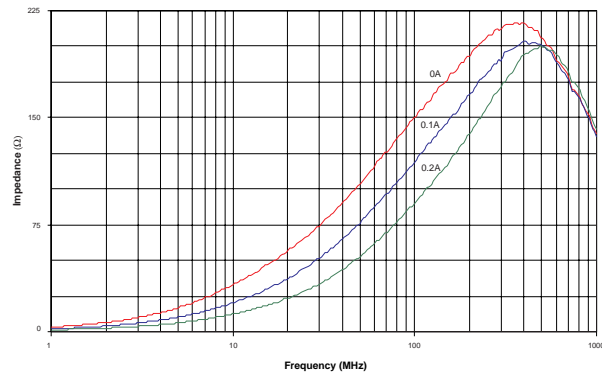
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Z, R, X_L vs. FREQUENCY

Impedance, Resistance, Inductive Reactance



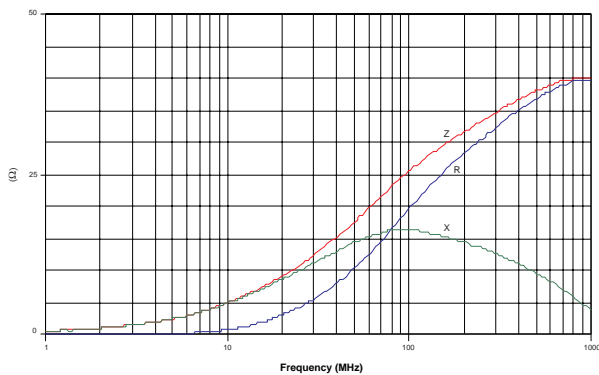
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Z vs. FREQUENCY

Impedance Under DC Bias



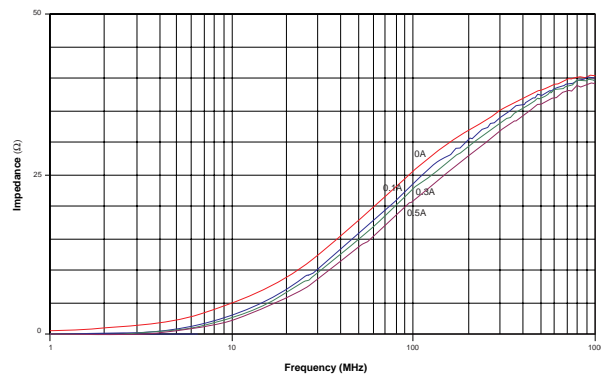
LI 1206 E 260R
Z, R, X_L vs. FREQUENCY

Impedance, Resistance, Inductive Reactance



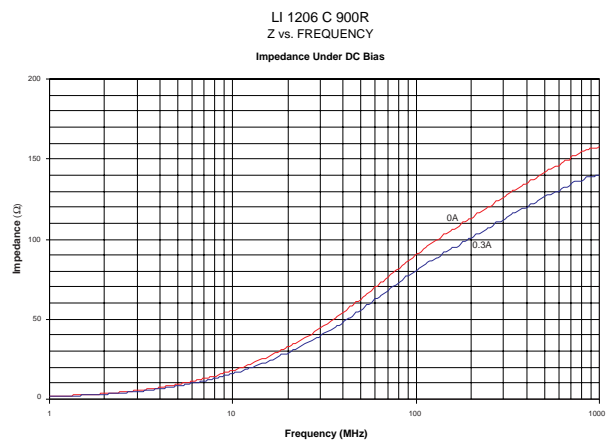
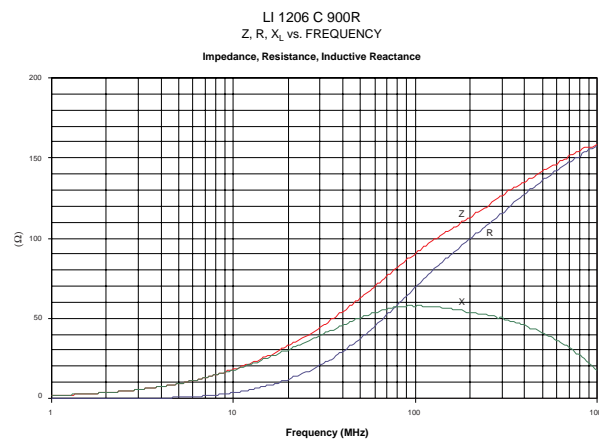
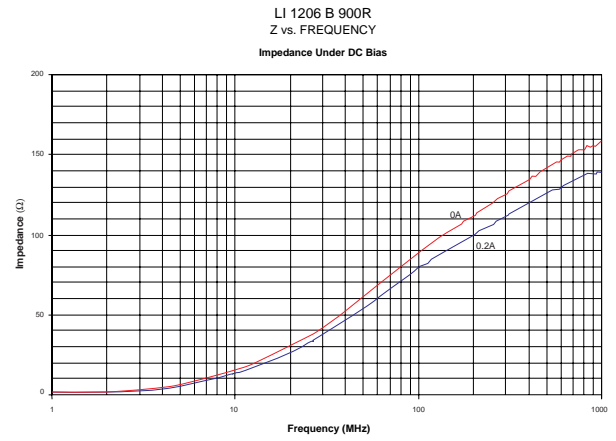
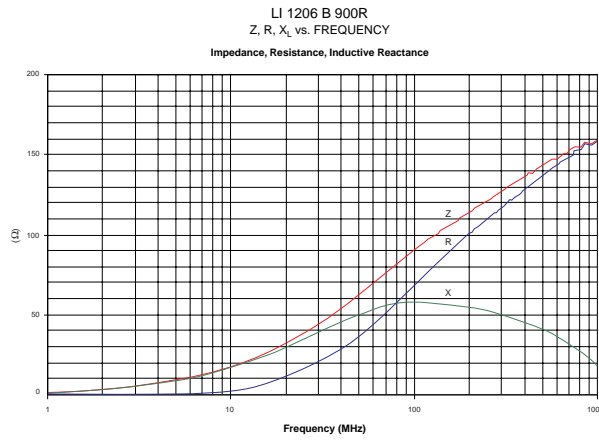
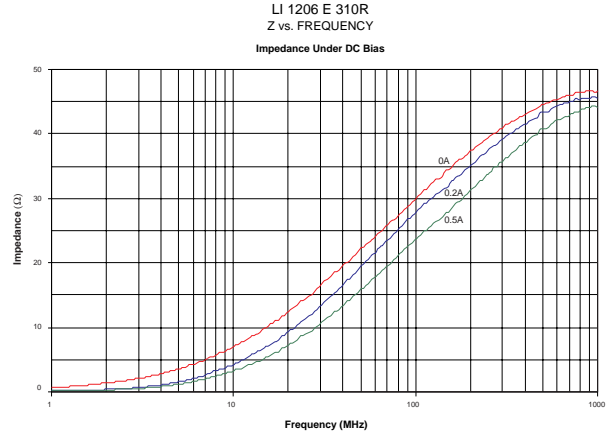
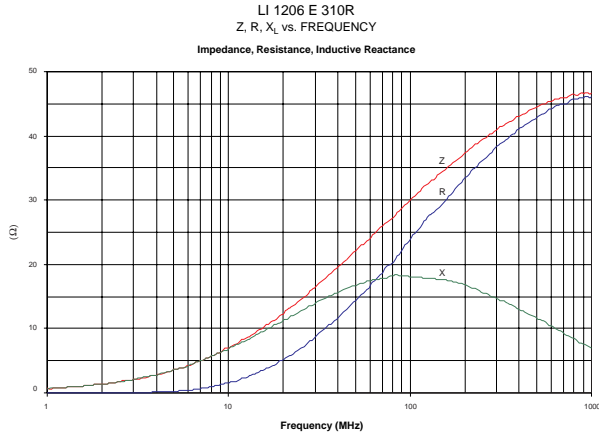
LI 1206 E 260R
Z vs. FREQUENCY

Impedance Under DC Bias



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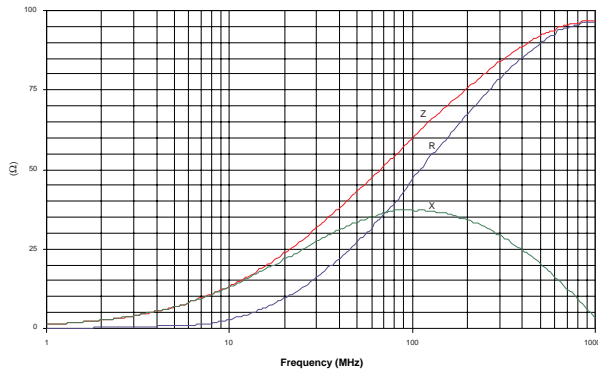


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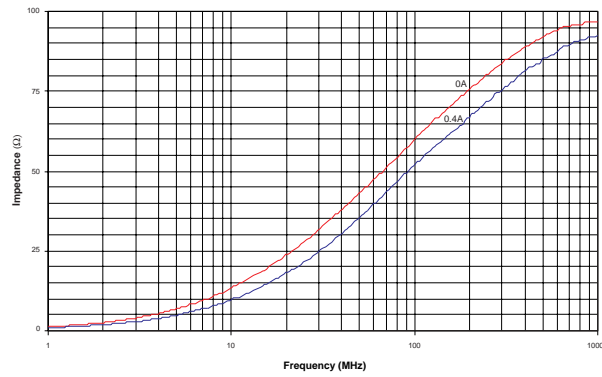
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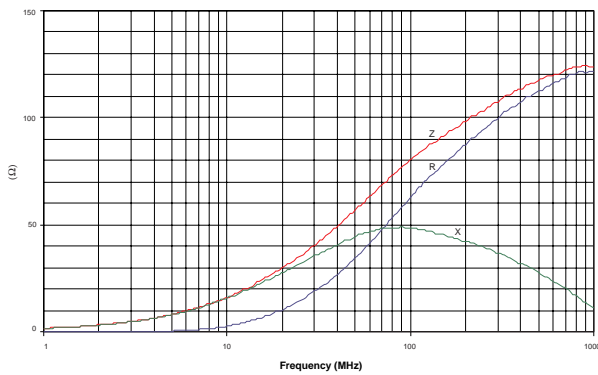
LI 1210 D 600R
Z, R, X_L vs. FREQUENCY
Impedance, Resistance, Inductive Reactance



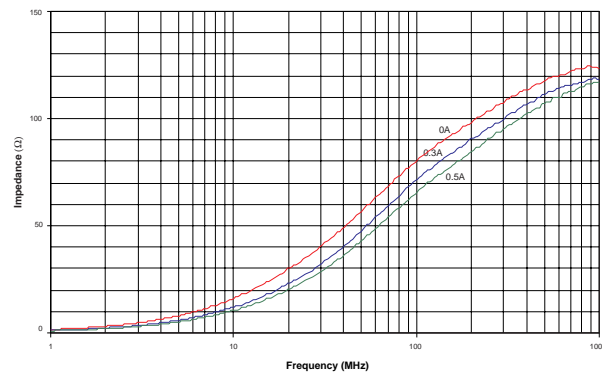
LI 1210 D 600R
Z vs. FREQUENCY
Impedance Under DC Bias



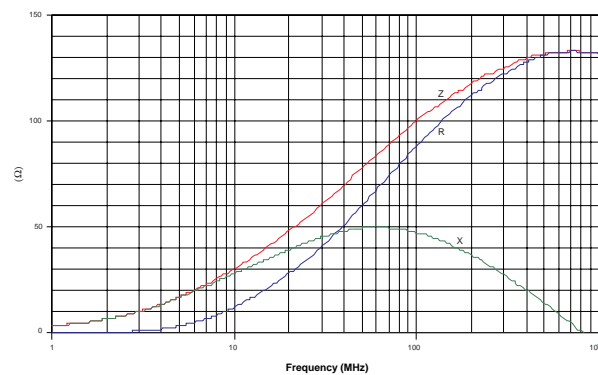
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Z, R, X_L vs. FREQUENCY
Impedance, Resistance, Inductive Reactance



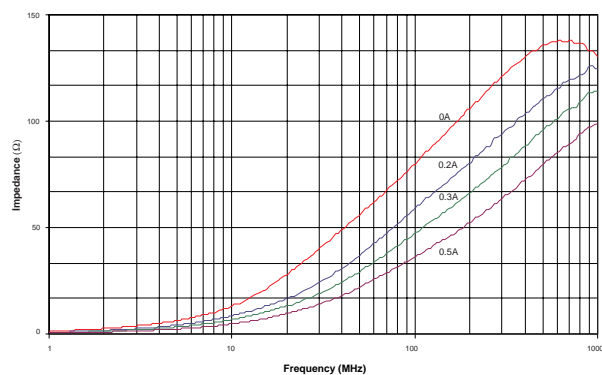
LI 1806 E 800R
Z vs. FREQUENCY
Impedance Under DC Bias



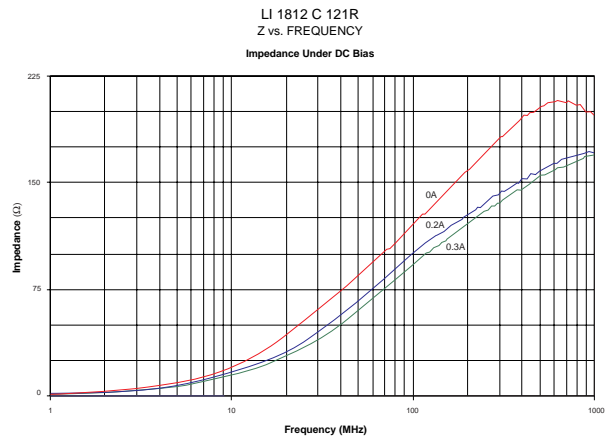
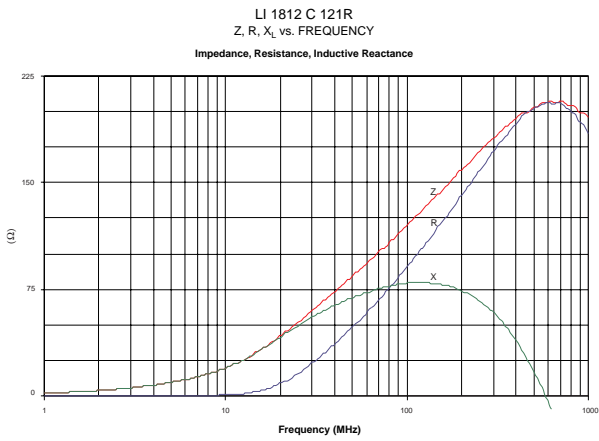
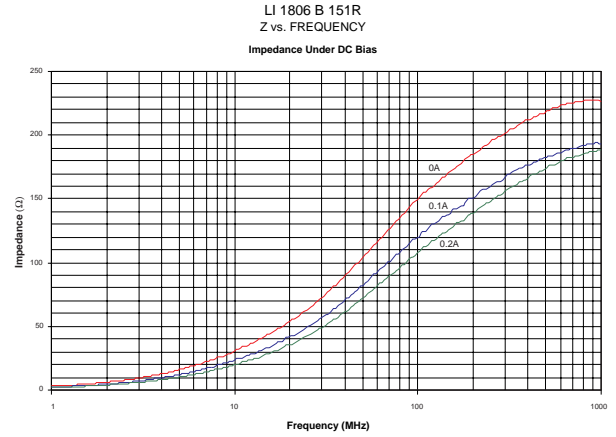
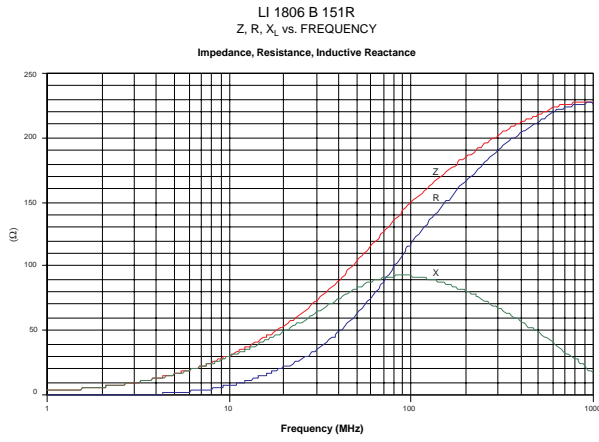
LI 1806 E 101R
Z, R, X_L vs. FREQUENCY
Impedance, Resistance, Inductive Reactance



LI 1806 E 101R
Z vs. FREQUENCY
Impedance Under DC Bias



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