

Chip Ferrite Bead | Chip Ferrite Inductor | Chip Ceramic Inductor | Chip Common mode filter

Chip Ferrite Bead

Feature

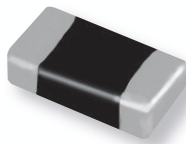
1. Available for suppressing noise at wide range of frequency
2. High reliability in the circuit of high current
3. Excellent solderability and suitable for flow and reflow soldering.
4. Lead and halogen free

Application

1. Clock noise / RF noise / I/O line / Power DC line etc.
2. EMI noise suppression of digital equipment
(Desktop PCs, Notebook PCs, USB's, CD-ROM Drives, DVD Players, Printers, Fax Machines etc)

Ordering Information

EBM **1608** **601** **P** **N**
1 2 3 4 5



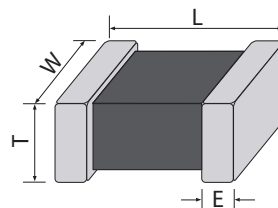
1 Series Type

For signal line	For power line	
EBT : Low speed type EBM : High speed type	EHT : High current type (~3A)	EUT : Ultra high current type (~5A)

- 2 **Size(mm)** : Length x Width
- 3 **Impedance** : Ex.: 100 → 10Ω, 121 → 120Ω, 102 → 1000Ω
- 4 **Packing** : P- Embossed paper tape. E - Embossed plastic tape.
- 5 **Termination** : Nickel barrier

Dimension

Size (EIA)	1005 (0402)	1608 (0603)	2012 (0805)	3216 (1206)
L	1.00±0.10	1.60±0.15	2.00±0.20	3.20±0.20
W	0.50±0.10	0.80±0.15	1.25±0.20	1.60±0.20
T	0.50±0.10	0.80±0.15	0.90±0.20	1.60±0.20
E	0.25±0.10	0.30±0.20	0.50±0.30	0.50±0.30

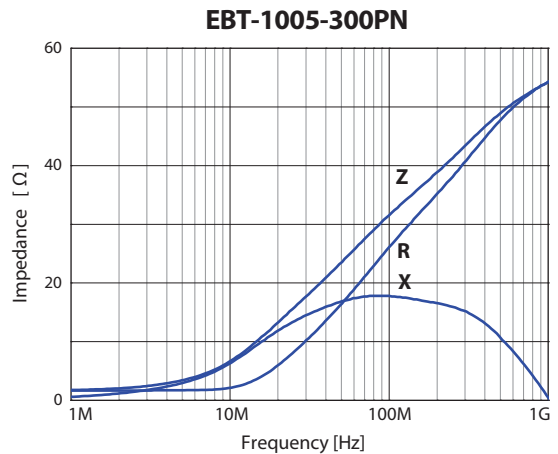
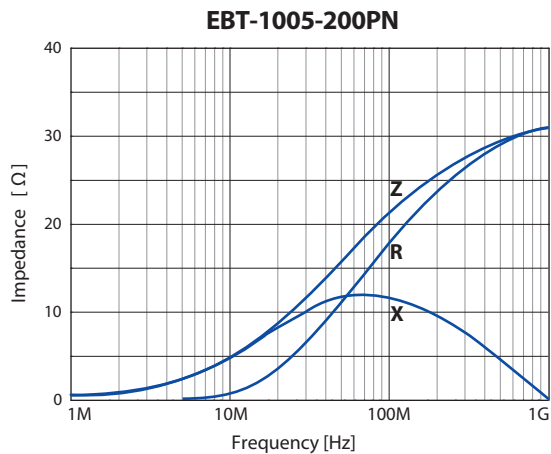


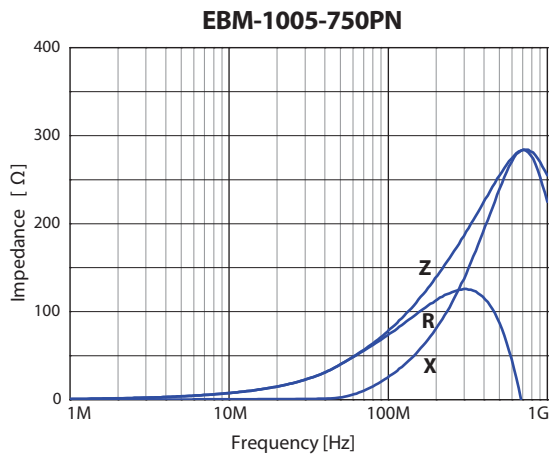
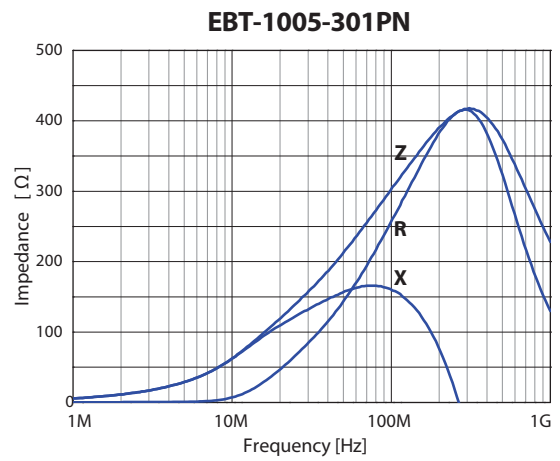
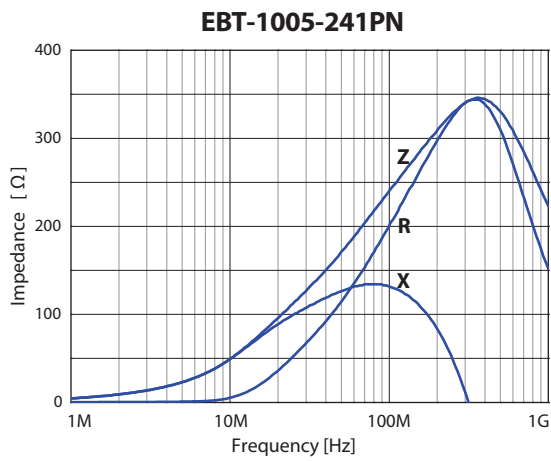
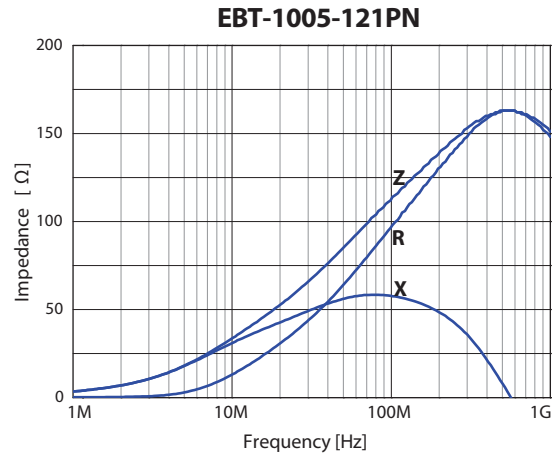
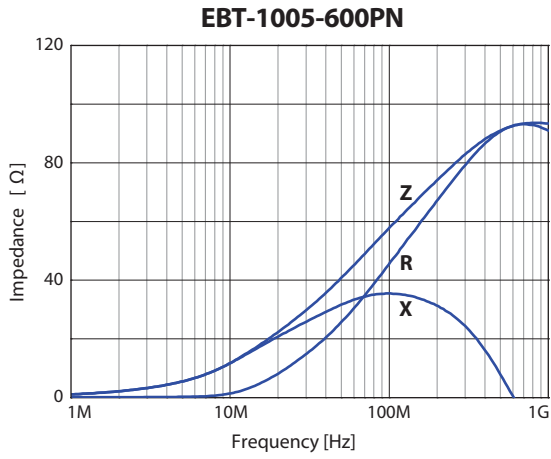
1005 size for signal line

Specification

Part Number	Impedance ± 25% (Ω)	Test Freq. (MHz)	DCR (m Ω) Max	Rated Current (mA)
EBT-1005-200PN	20	100	300	300
EBT-1005-300PN	30	100	300	300
EBT-1005-600PN	60	100	350	300
EBT-1005-121PN	120	100	400	300
EBT-1005-241PN	240	100	700	200
EBT-1005-301PN	300	100	800	200
EBT-1005-601PN	600	100	600	300
EBT-1005-102PN	1000	100	1000	200
EBM-1005-750PN	75	100	400	300

Impedance vs. Frequency



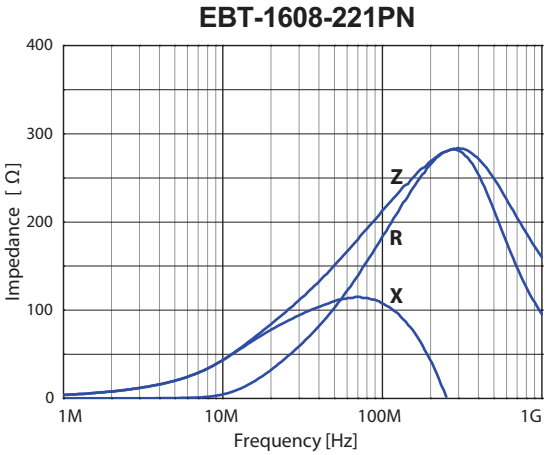
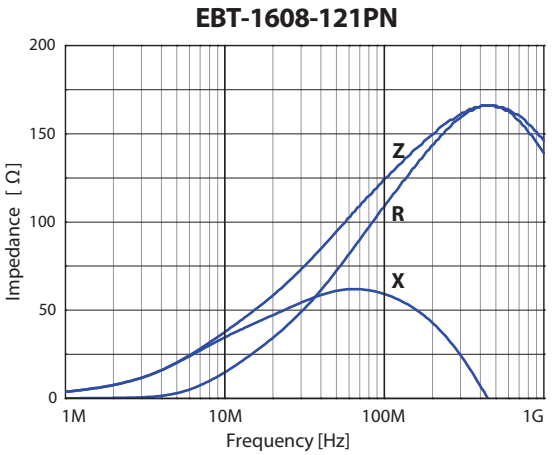
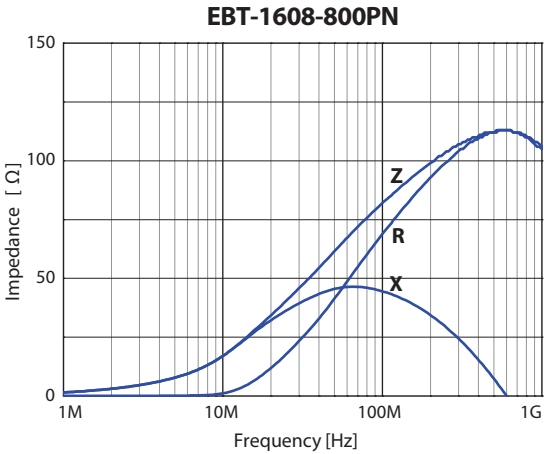
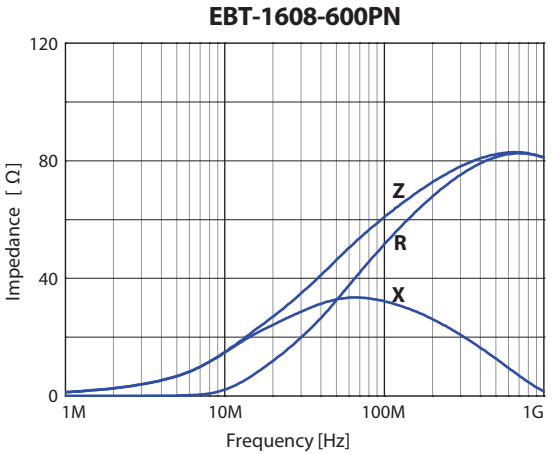
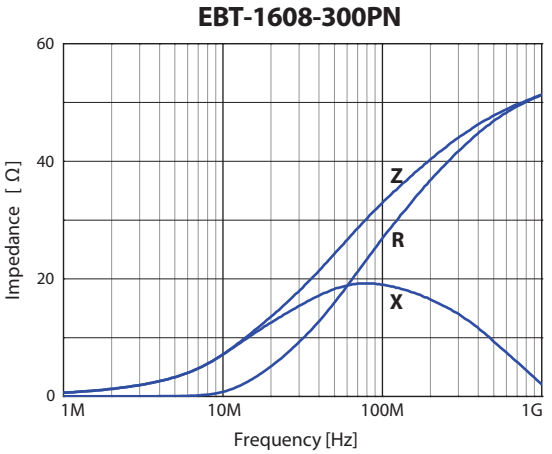
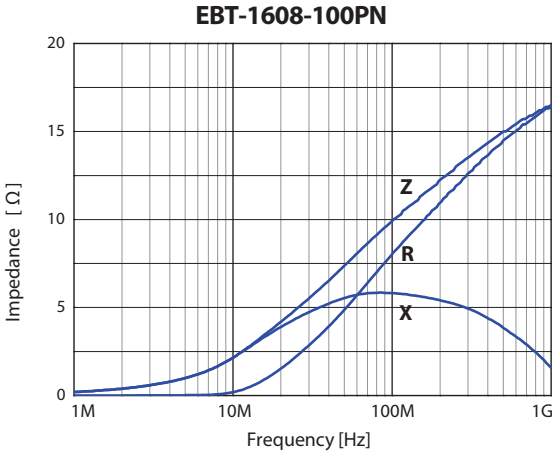


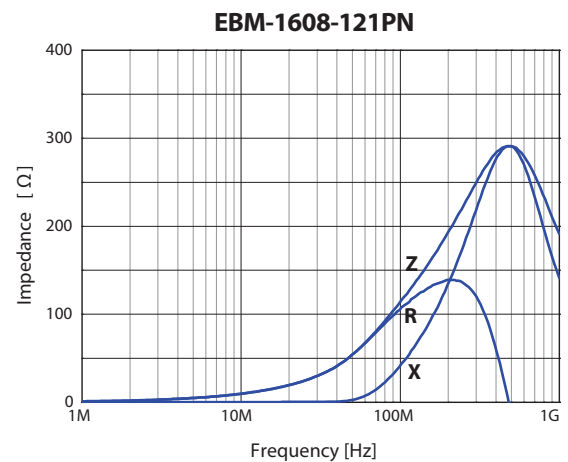
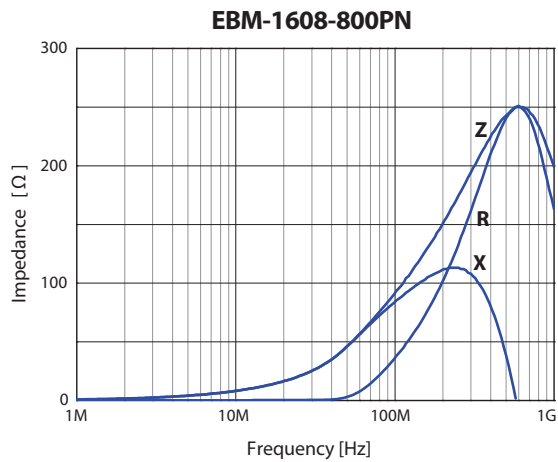
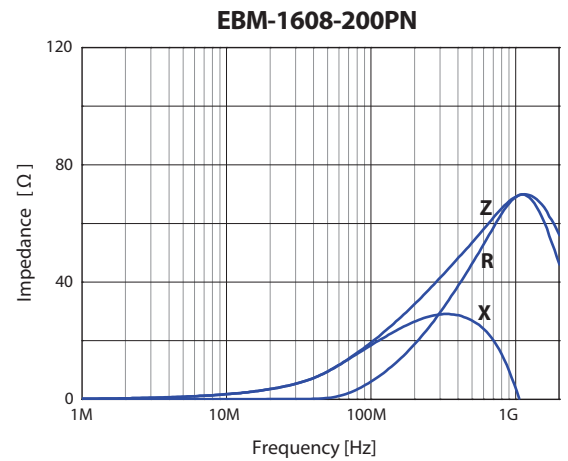
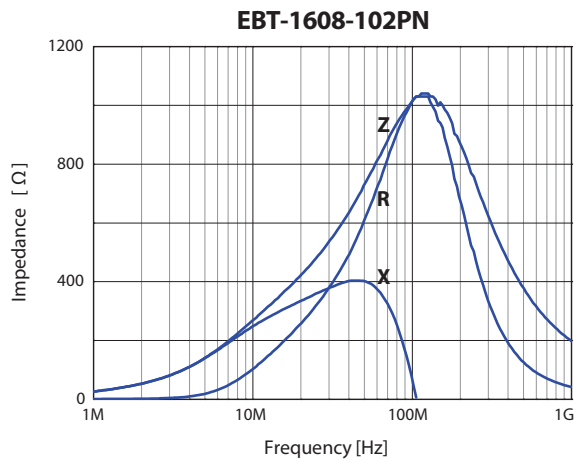
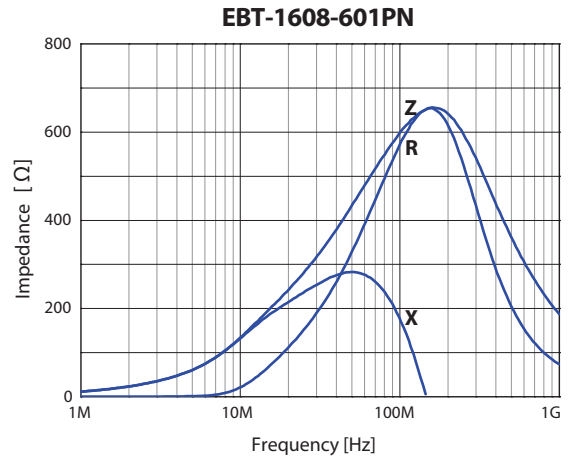
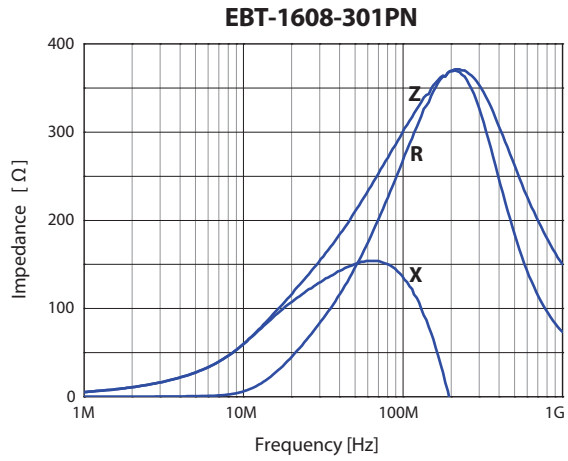
1608 size for signal line

Specification

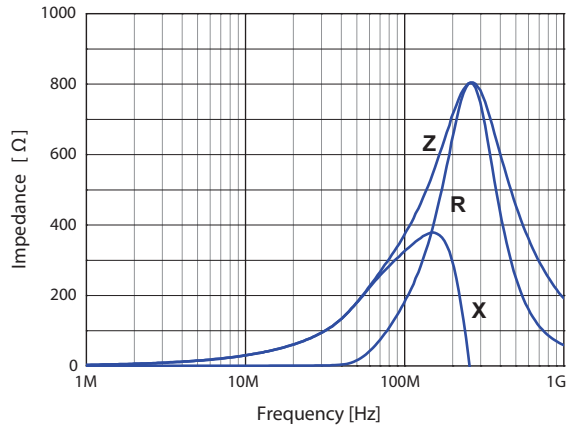
Part Number	Impedance $\pm 25\%$ (Ω)	Test Freq. (MHz)	DCR (m Ω) Max	Rated Current (mA)
EBT-1608-100PN	10	100	50	500
EBT-1608-300PN	30	100	80	500
EBT-1608-400PN	40	100	100	500
EBT-1608-600PN	60	100	100	400
EBT-1608-800PN	80	100	100	400
EBT-1608-101PN	100	100	150	400
EBT-1608-121PN	120	100	150	400
EBT-1608-221PN	220	100	300	300
EBT-1608-301PN	300	100	350	300
EBT-1608-601PN	600	100	450	200
EBT-1608-102PN	1000	100	600	100
EBM-1608-200PN	20	100	300	500
EBM-1608-600PN	60	100	300	500
EBM-1608-800PN	80	100	350	500
EBM-1608-121PN	120	100	450	200
EBM-1608-301PN	300	100	450	200
EBM-1608-601PN	600	100	500	200
EBM-1608-102PN	1000	100	600	200

Impedance vs. Frequency

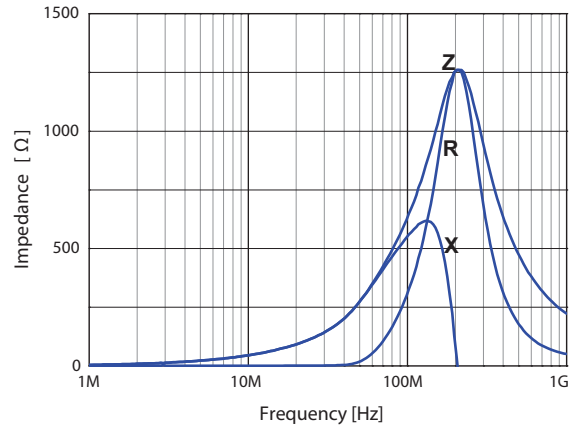




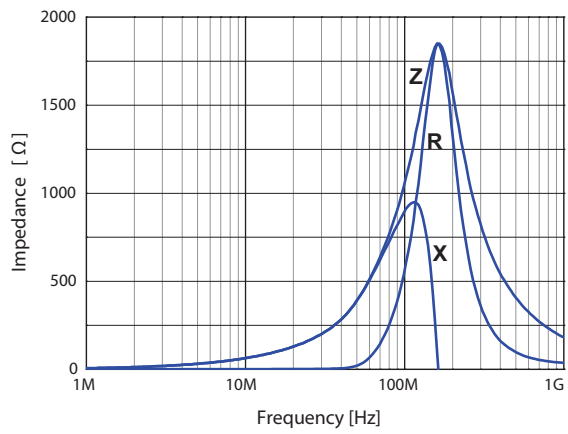
EBM-1608-301PN



EBM-1608-601PN



EBM-1608-102PN

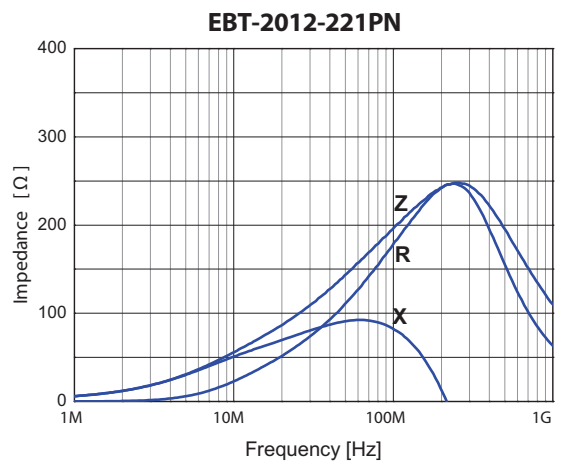
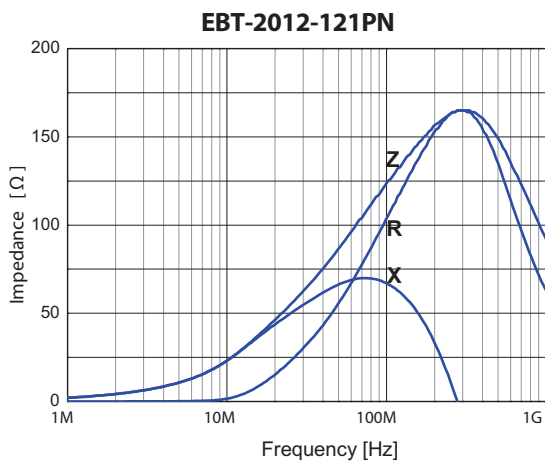
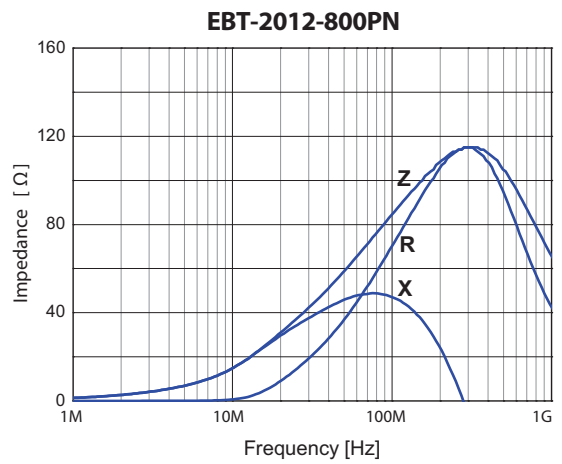
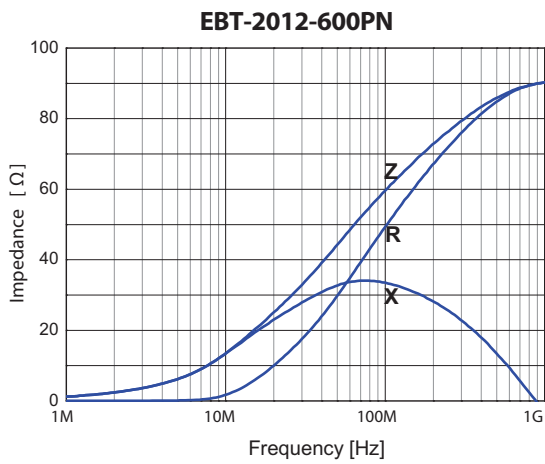
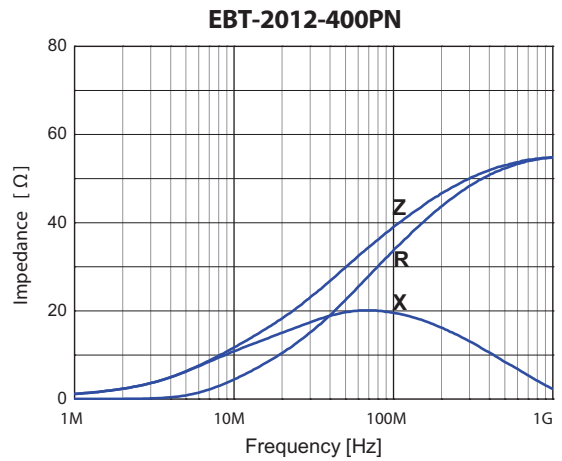
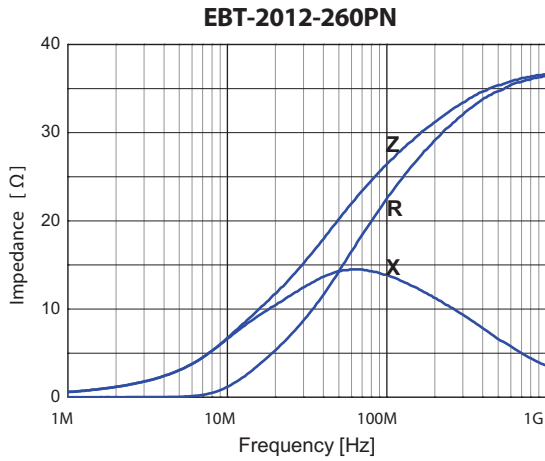


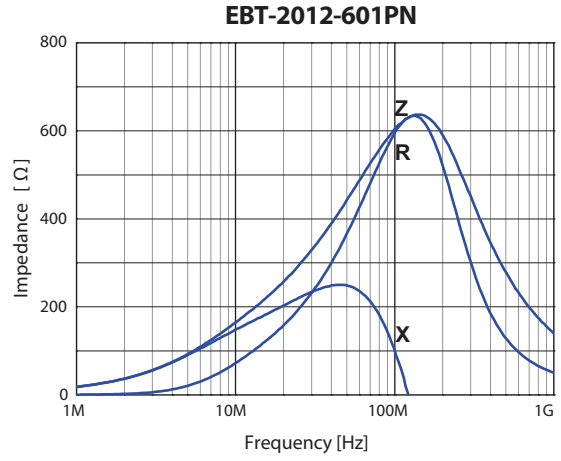
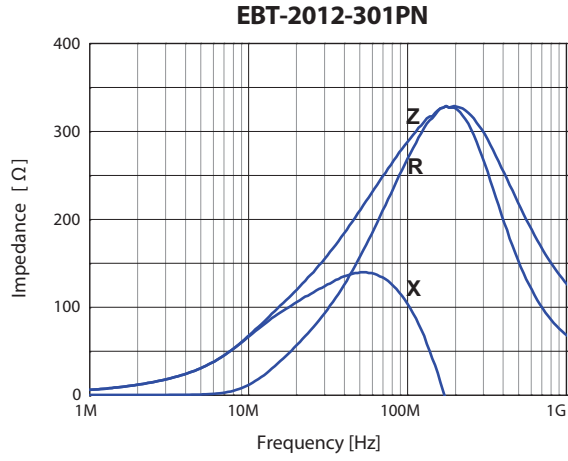
2012 size for signal line

Specification

Part Number	Impedance $\pm 25\%$ (Ω)	Test Freq. (MHz)	DCR (m Ω) Max	Rated Current (mA)
EBT-2012-260PN	26	100	60	600
EBT-2012-320PN	32	100	70	600
EBT-2012-400PN	40	100	70	600
EBT-2012-600PN	60	100	150	600
EBT-2012-800PN	80	100	150	600
EBT-2012-121PN	120	100	170	600
EBT-2012-221PN	220	100	200	500
EBT-2012-301PN	300	100	200	500
EBT-2012-601PN	600	100	300	500
EBT-2012-102PN	1000	100	350	300
EBT-2012-202PN	2000	100	500	200
EBM-2012-101PN	100	100	250	200
EBM-2012-121PN	120	100	250	200
EBM-2012-151PN	150	100	250	200
EBM-2012-221PN	220	100	250	200
EBM-2012-301PN	300	100	250	200
EBM-2012-601PN	600	100	350	200

Impedance vs. Frequency



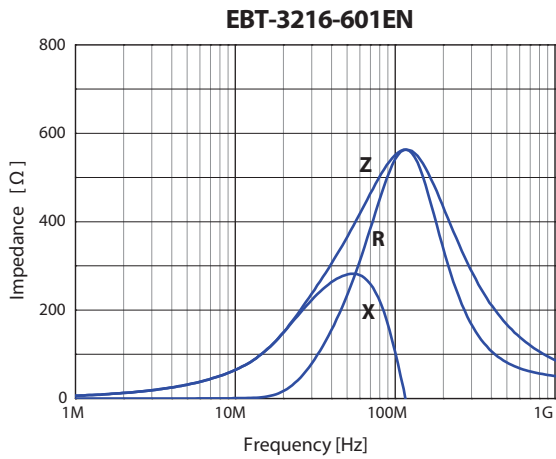
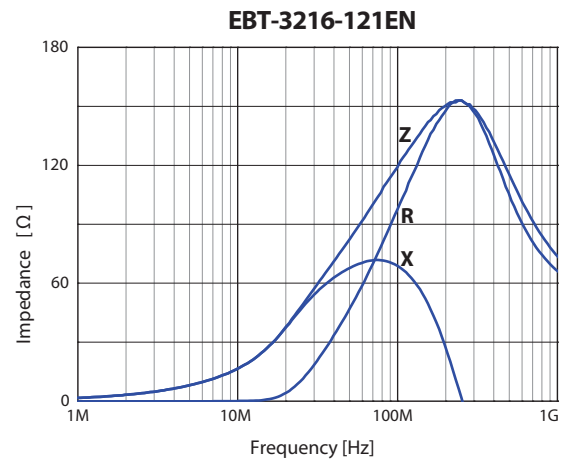
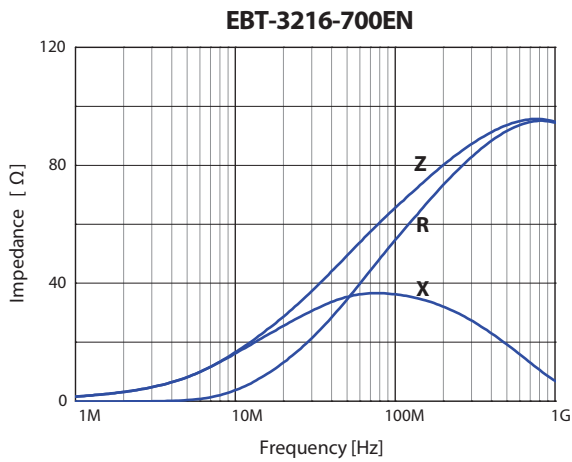
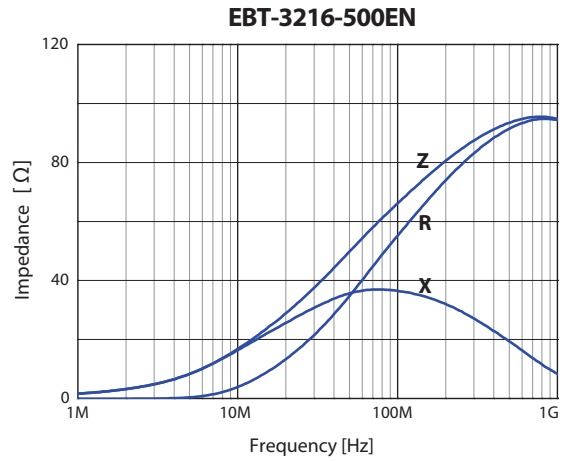
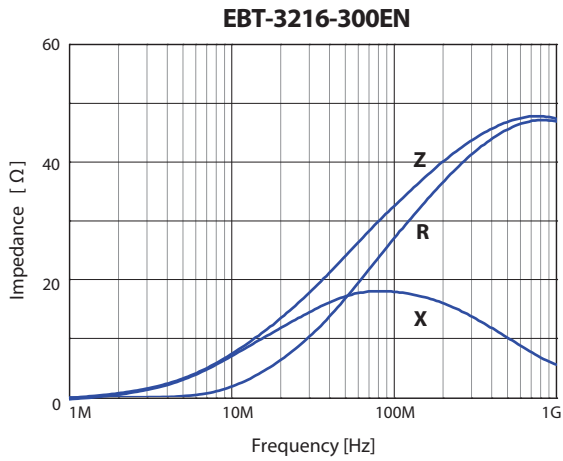


3216 size for signal line

Specification

Part Number	Impedance ± 25% (Ω)	Test Freq. (MHz)	DCR (mΩ) Max	Rated Current (mA)
EBT-3216-300EN	30	100	50	1000
EBT-3216-350EN	35	100	80	1000
EBT-3216-500EN	50	100	80	1000
EBT-3216-700EN	70	100	100	1000
EBT-3216-900EN	90	100	100	1000
EBT-3216-121EN	120	100	100	800
EBT-3216-301EN	300	100	200	800
EBT-3216-501EN	500	100	200	700
EBT-3216-601EN	600	100	200	700

Impedance vs. Frequency

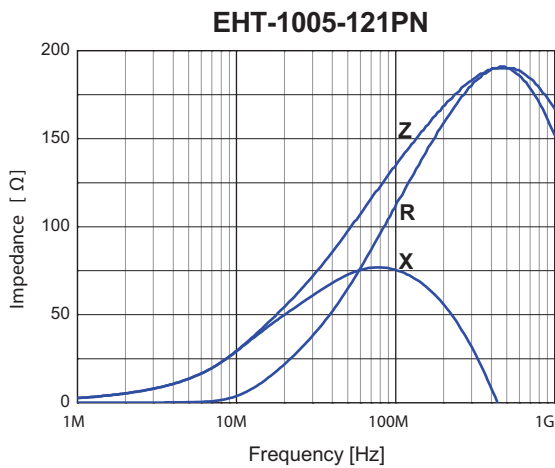
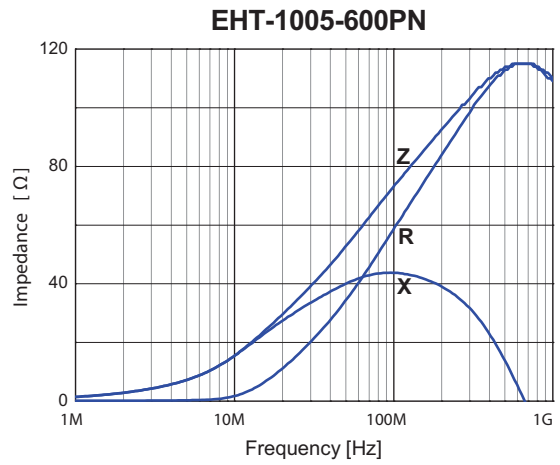
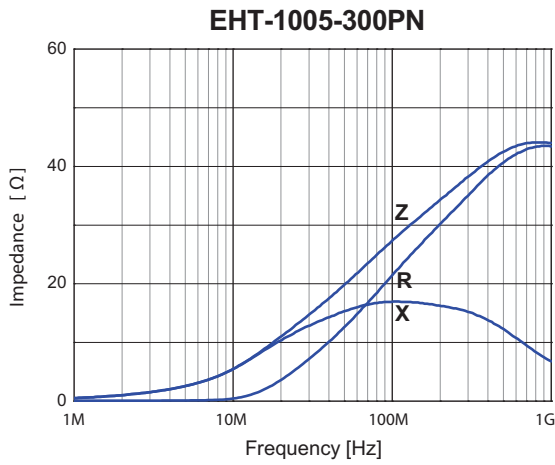


1005 size for High current type

Specification

Part Number	Impedance ± 25% (Ω)	Test Freq. (MHz)	DCR (m Ω) Max	Rated Current (mA)
EHT-1005-100PN	10	100	100	2000
EHT-1005-300PN	30	100	100	2000
EHT-1005-600PN	60	100	200	1000
EHT-1005-121PN	120	100	150	1500

Impedance vs. Frequency

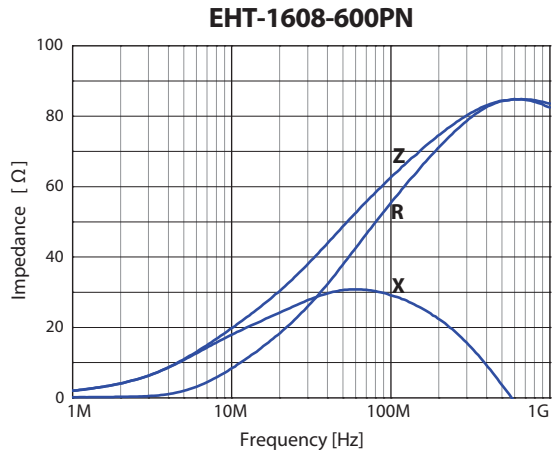
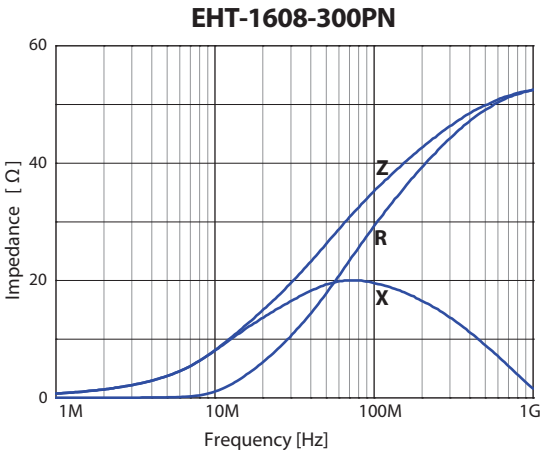


1608 size for High current type

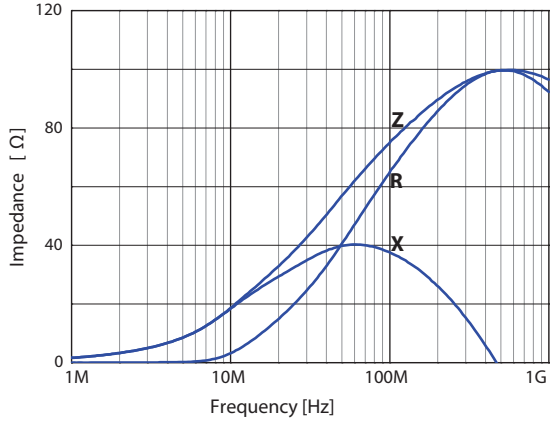
Specification

Part Number	Impedance ± 25% (Ω)	Test Freq. (MHz)	DCR (mΩ) Max	Rated Current (mA)
EHT-1608-300PN	30	100	50	3000
EHT-1608-600PN	60	100	50	3000
EHT-1608-800PN	80	100	50	3000
EHT-1608-121PN	120	100	80	2500
EHT-1608-221PN	220	100	100	2000
EHT-1608-301PN	300	100	100	2000
EHT-1608-601PN	600	100	200	1000
EHT-1005-121PN	120	100	150	1500

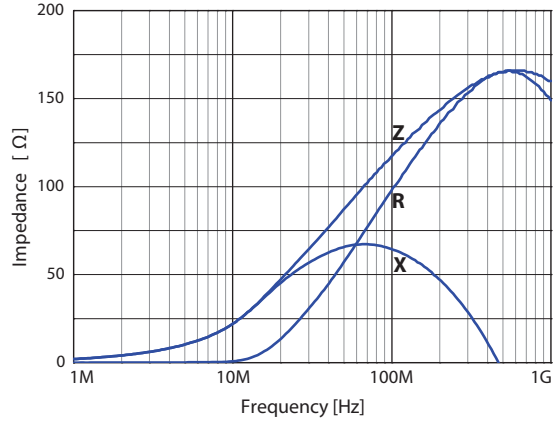
Impedance vs. Frequency



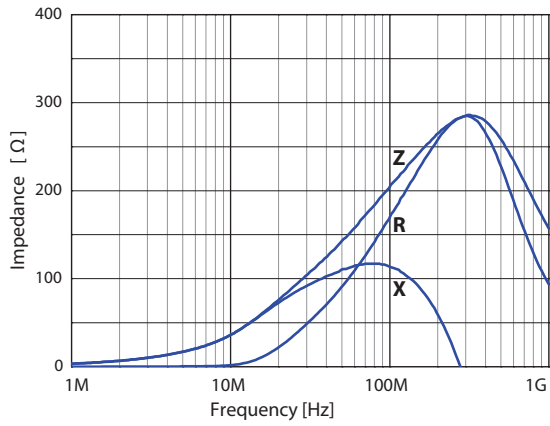
EHT-1608-800PN



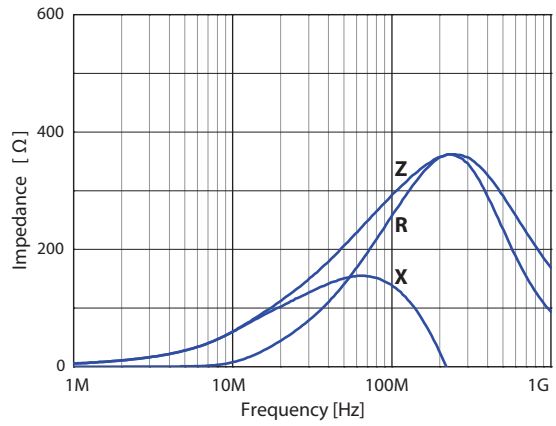
EHT-1608-121PN



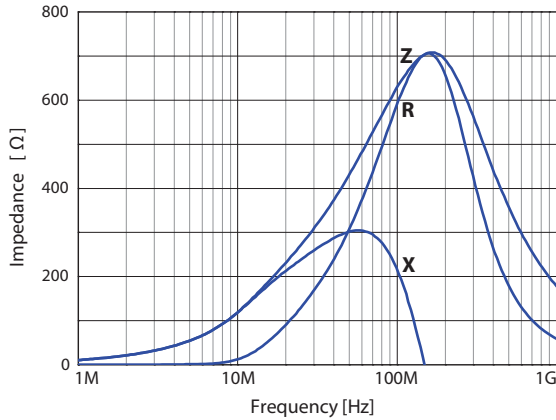
EHT-1608-221PN



EHT-1608-301PN



EHT-1608-601PN

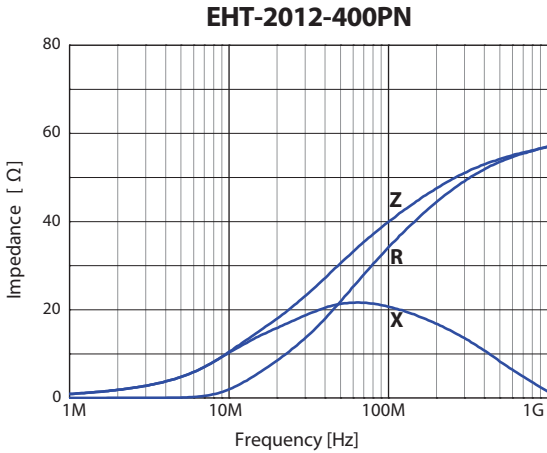
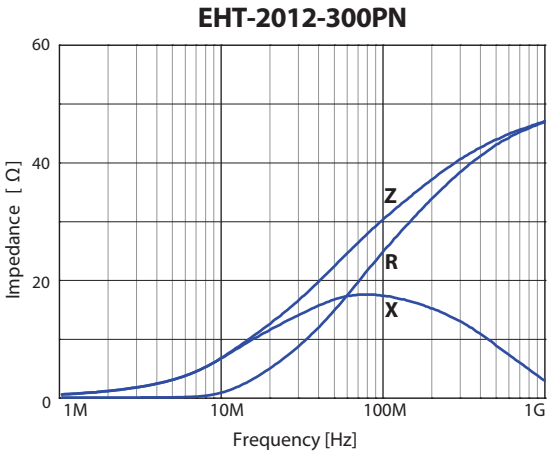


2012 size for High current type

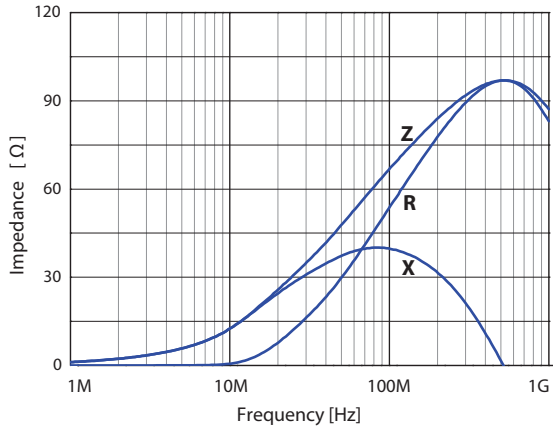
Specification

Part Number	Impedance ± 25% (Ω)	Test Freq. (MHz)	DCR (mΩ) Max	Rated Current (mA)
EHT-2012-300PN	30	100	20	3000
EHT-2012-400PN	40	100	30	3000
EHT-2012-600PN	60	100	40	3000
EHT-2012-800PN	80	100	30	3000
EHT-2012-121PN	120	100	30	3000
EHT-2012-221PN	220	100	45	3000
EHT-2012-301PN	300	100	90	2000
EHT-2012-601PN	600	100	100	2000

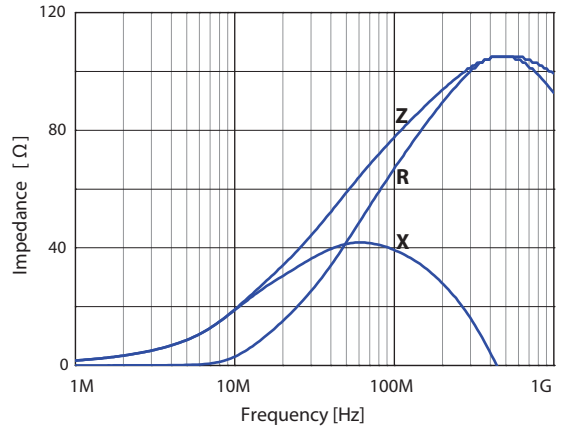
Impedance vs. Frequency



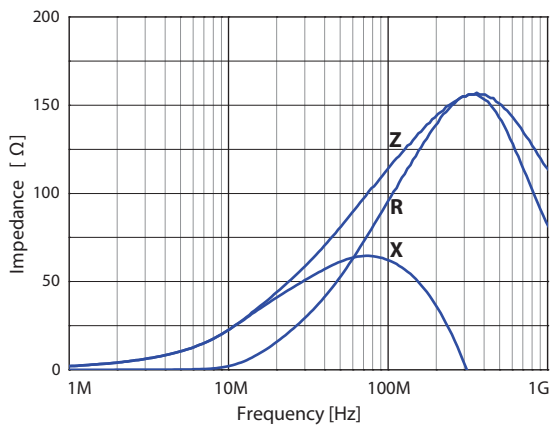
EHT-2012-600PN



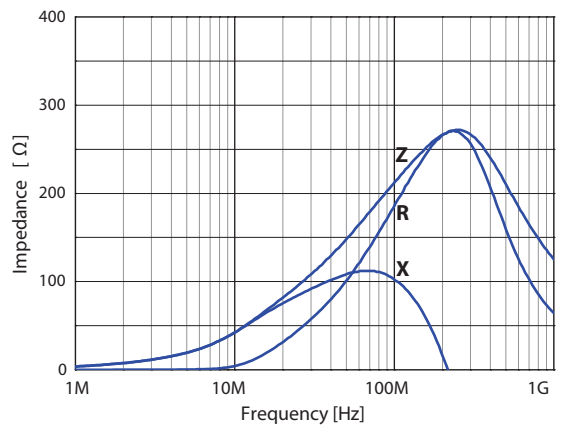
EHT-2012-800PN



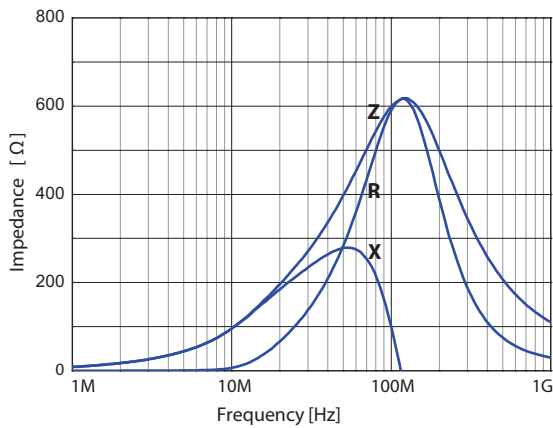
EHT-2012-121PN



EHT-2012-221PN



EHT-2012-601PN

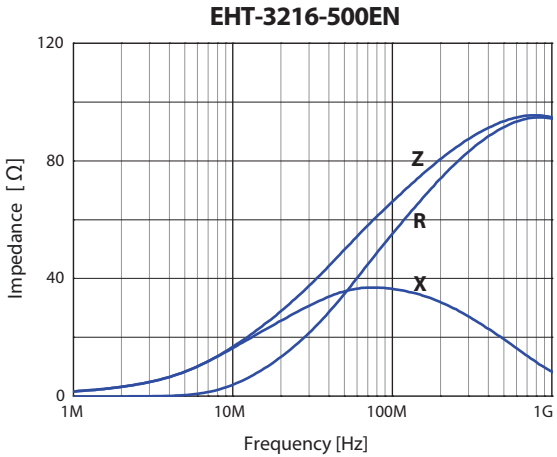
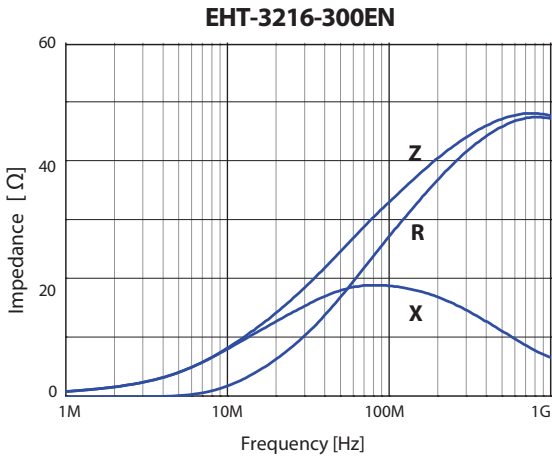


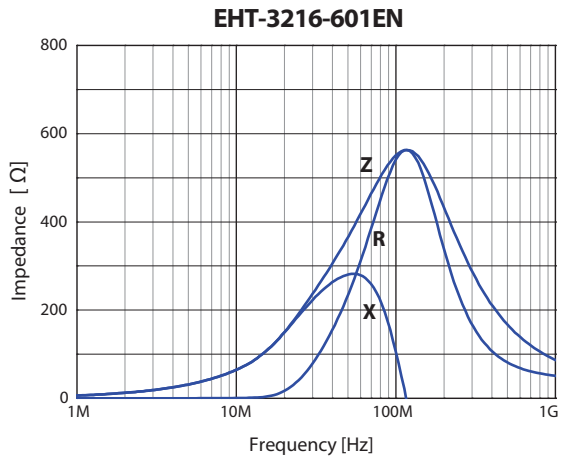
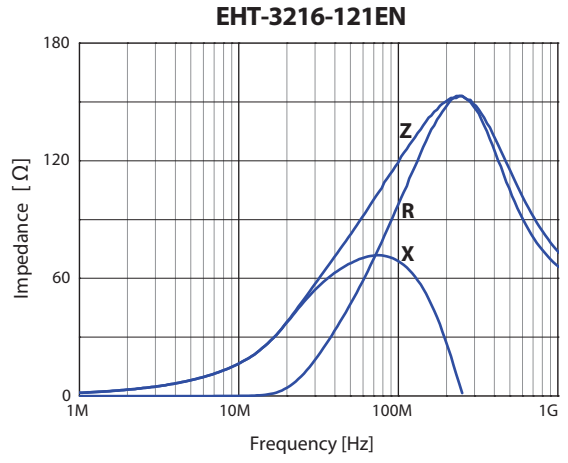
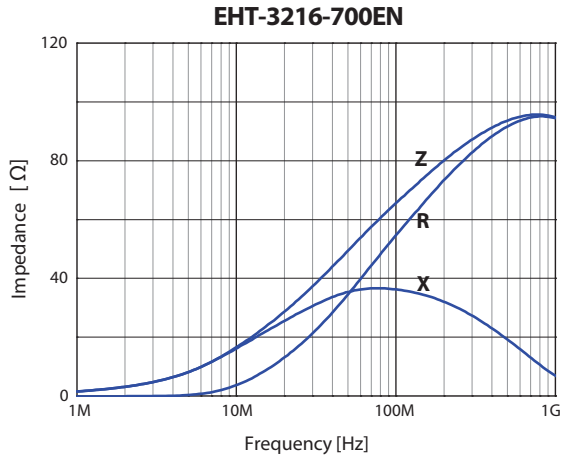
3216 size for High current type

Specification

Part Number	Impedance ± 25% (Ω)	Test Freq. (MHz)	DCR (mΩ) Max	Rated Current (mA)
EHT-3216-300EN	30	100	30	3000
EHT-3216-350EN	35	100	30	3000
EHT-3216-500EN	50	100	30	3000
EHT-3216-700EN	70	100	40	3000
EHT-3216-900EN	90	100	40	3000
EHT-3216-121EN	120	100	40	3000
EHT-3216-301EN	300	100	60	3000
EHT-3216-501EN	500	100	60	3000
EHT-3216-601EN	600	100	60	3000

Impedance vs. Frequency





2012 size for Ultra high current type

Specification

Part Number	Impedance $\pm 25\%$ (Ω)	Test Freq. (MHz)	DCR (m Ω) Max	Rated Current (mA)
EUT-2012-300PN	30	100	20	5000
EUT-2012-400PN	40	100	30	4000
EUT-2012-800PN	80	100	30	5000
EUT-2012-121PN	120	100	30	5000

Impedance vs. Frequency

