

EMI SUPPRESSION FILTER / AMB Series

● Features

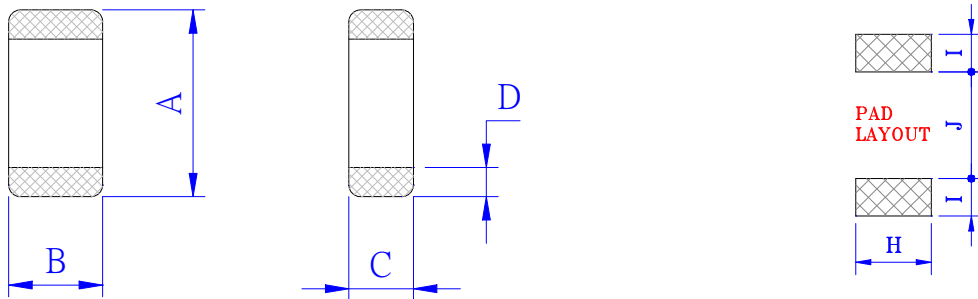
1. Monolithic inorganic material construction.
2. Colsed magnetic circuit avoids crosstalk.
3. Suitable for flow and reflow soldering.
4. Excellent solderability and heat resistance.
5. High reliability.

● Applications

Personal computers, communication equipment, digital telephone, electronic games machines, CRTs, hard disk drives, cellular phones, PDAs, printers and other computer peripheral products. Suitable for I/O ports, DC power lines and signal lines, and general circuits with unstable ground.

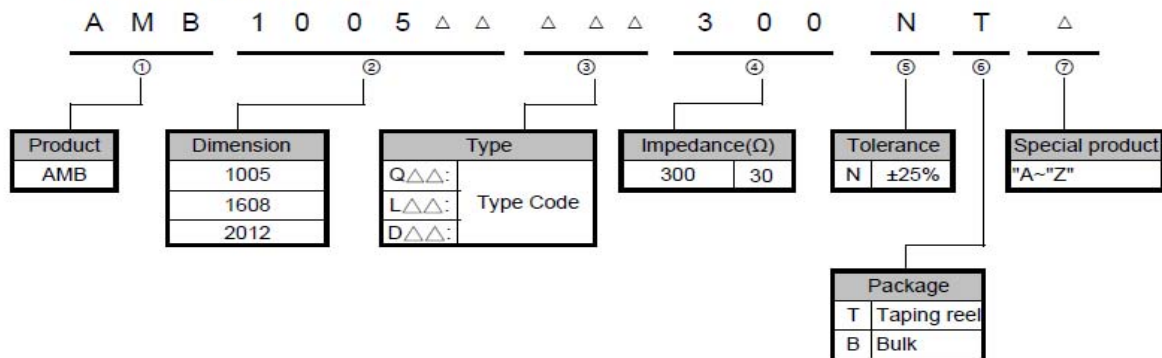


● Shape & Dimensions



TYPE	A (mm)	B (mm)	C (mm)	D (mm)	H (Ref.)	I (Ref.)	J (Ref.)
AMB1005	1.0 ± 0.1	0.5 ± 0.1	0.5 ± 0.1	0.25 ± 0.2	0.50	0.45	0.50
AMB1608	1.6 ± 0.2	0.8 ± 0.2	0.8 ± 0.2	0.3 ± 0.2	0.70	0.70	0.70
AMB2012	2.0 ± 0.2	1.2 ± 0.2	0.9 ± 0.2	0.5 ± 0.3	1.00	0.80	1.00

■ PRODUCT IDENTIFICATION



◆ AMB1005 Series Specification :

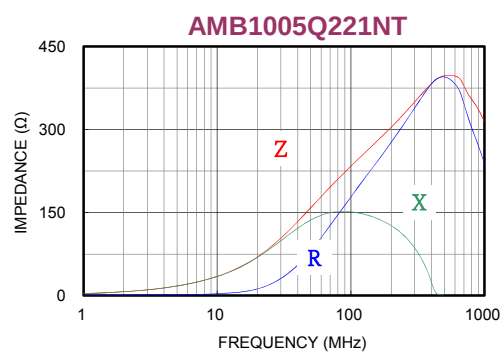
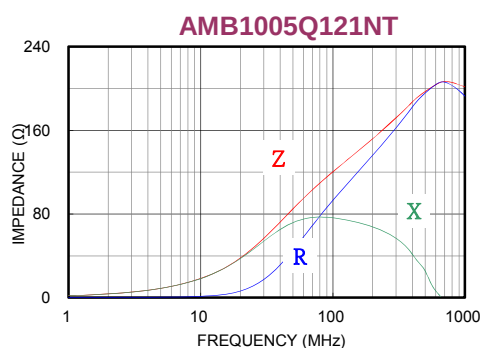
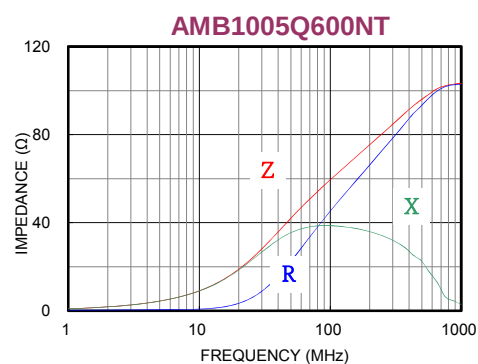
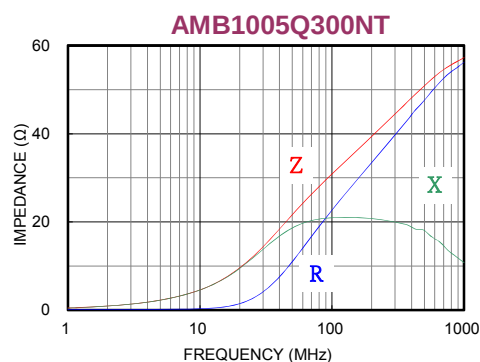
Part Number	Impedance (Ω)	Test Freq. (MHz)	DCR (Ω) Max.	Rated Current (mA) Max.
AMB1005Q300□T	30	100	0.3	500
AMB1005Q600□T	60	100	0.4	200
AMB1005Q121□T	120	100	0.5	200
AMB1005Q221□T	220	100	0.7	100
AMB1005Q301□T	300	100	0.8	100
AMB1005Q601□T	600	100	1.0	100

NOTE :

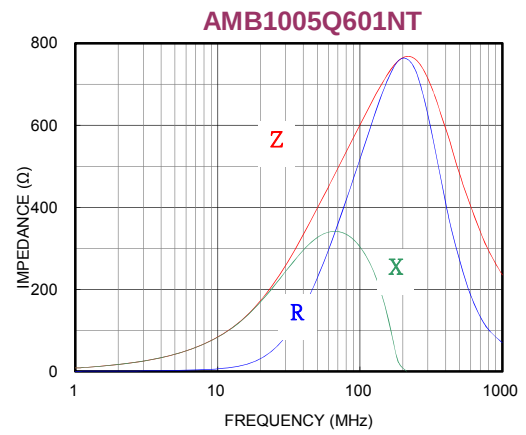
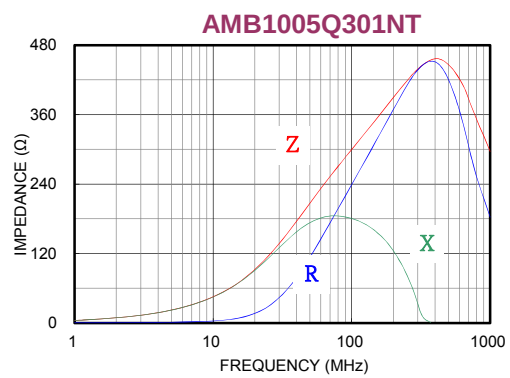
* The operating temperature range is -55°C to $+125^{\circ}\text{C}$ (Including self-temperature rise)

* □ Tolerance N : $\pm 25\%$

■ Typical Impedance v.s. Frequency Curve



■ Typical Impedance v.s. Frequency Curve



◆ AMB1608 Series Specification :

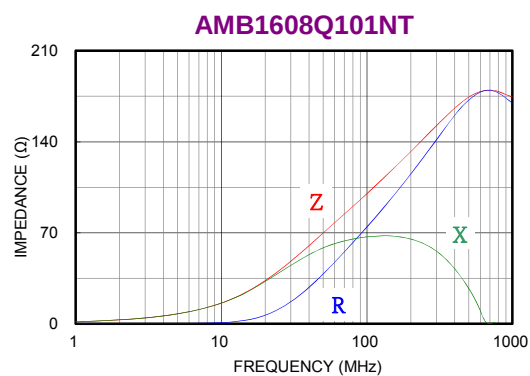
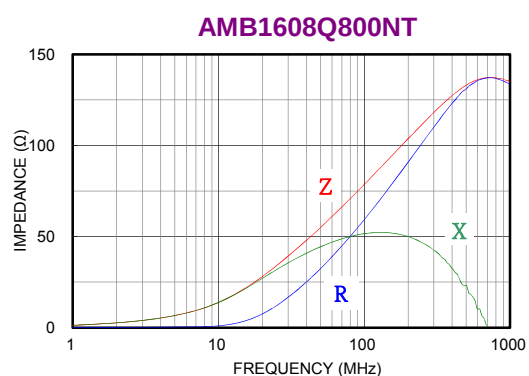
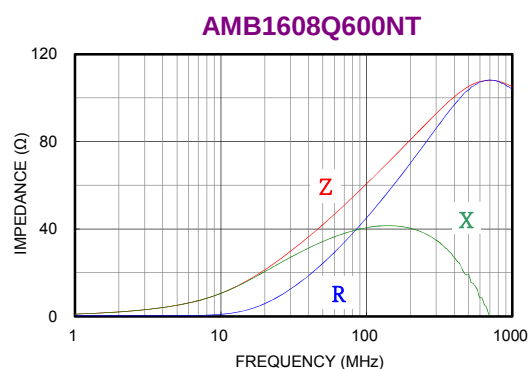
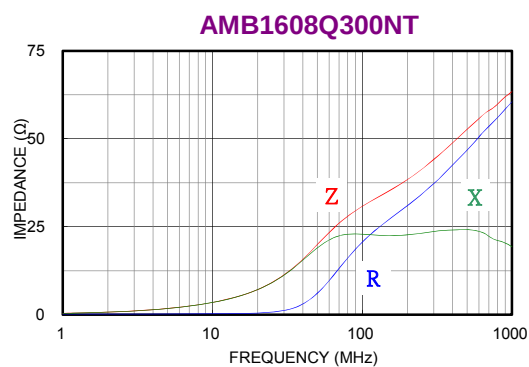
Part Number	Impedance (Ω)	Test Freq. (MHz)	DCR (Ω) Max.	Rated Current (mA) Max.
AMB1608Q300□T	30	100	0.30	400
AMB1608Q600□T	60	100	0.30	300
AMB1608Q800□T	80	100	0.30	300
AMB1608Q101□T	100	100	0.30	200
AMB1608Q121□T	120	100	0.30	200
AMB1608Q221□T	220	100	0.30	200
AMB1608Q301□T	300	100	0.35	150
AMB1608Q601□T	600	100	0.45	100
AMB1608Q102□T	1000	100	0.60	100
AMB1608Q152□T	1500	100	0.70	50

NOTE :

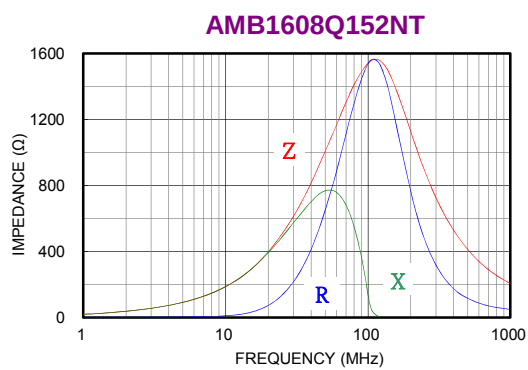
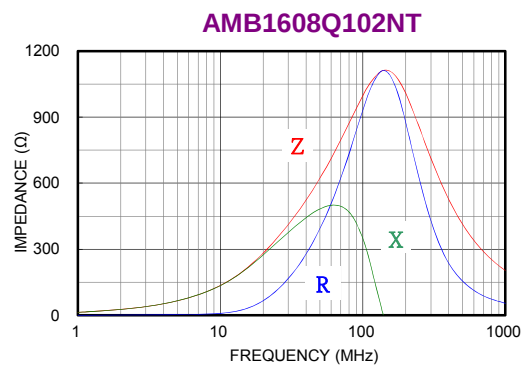
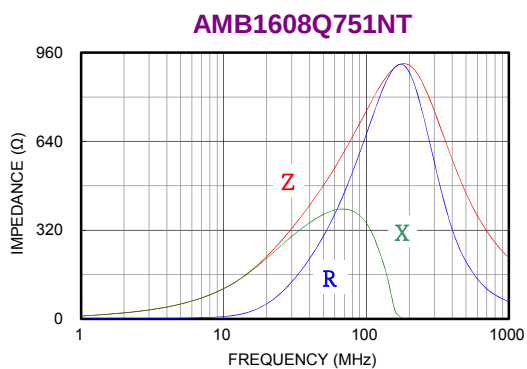
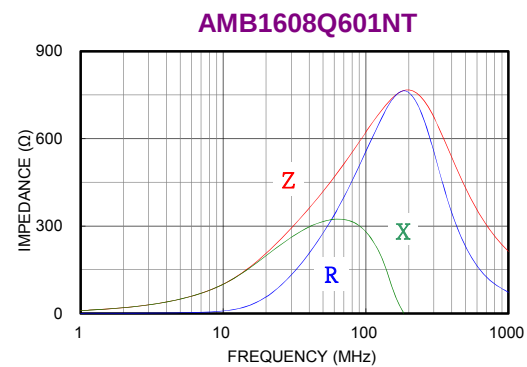
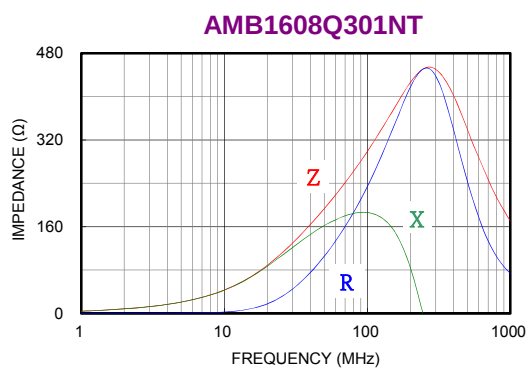
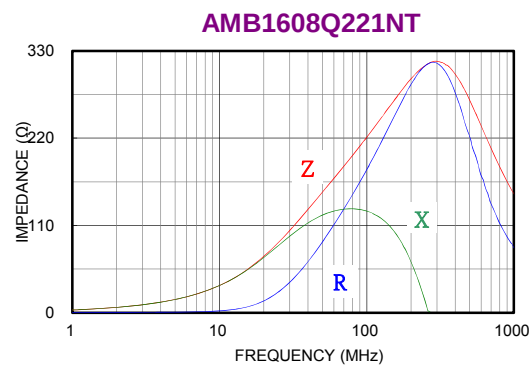
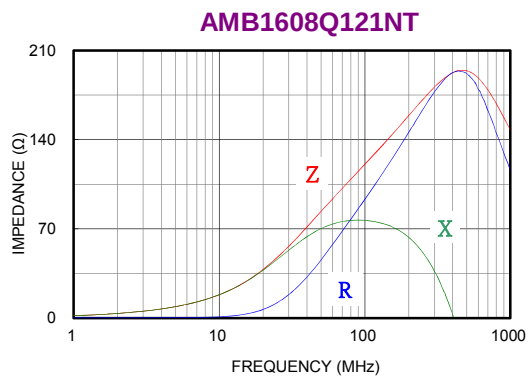
* The operating temperature range is -55°C to $+125^{\circ}\text{C}$ (Including self-temperature rise)

* □ Tolerance N : $\pm 25\%$

■ Typical Impedance v.s. Frequency Curve



Typical Impedance v.s. Frequency Curve



◆ AMB2012 Series Specification :

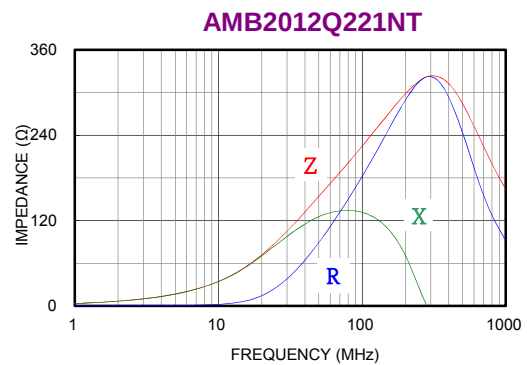
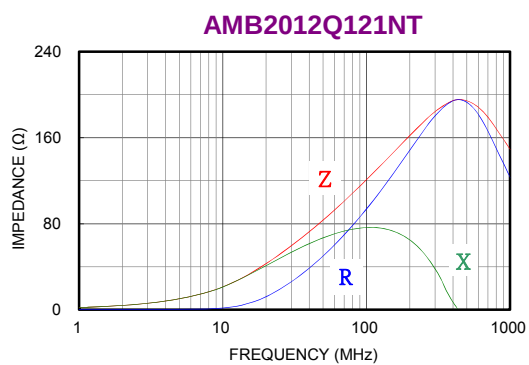
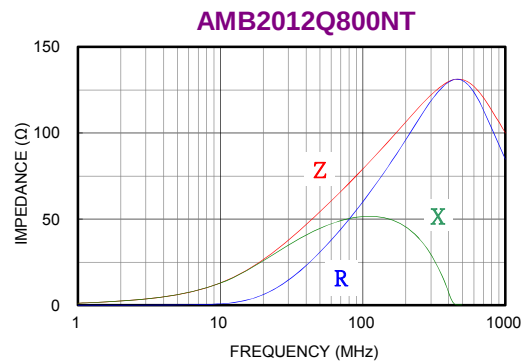
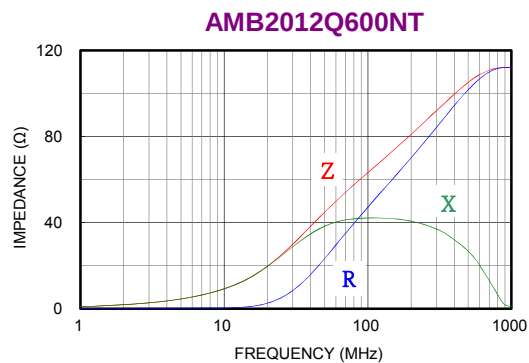
Part Number	Impedance (Ω)	Test Freq. (MHz)	DCR (Ω) Max.	Rated Current (mA) Max.
AMB2012Q600□T	60	100	0.20	300
AMB2012Q800□T	80	100	0.20	300
AMB2012Q121□T	120	100	0.25	300
AMB2012Q221□T	220	100	0.30	200
AMB2012Q301□T	300	100	0.30	200
AMB2012Q601□T	600	100	0.35	100
AMB2012Q102□T	1000	100	0.45	100
AMB2012Q122□T	1200	100	0.45	100

NOTE :

* The operating temperature range is -55°C to $+125^{\circ}\text{C}$ (Including self-temperature rise)

* □ Tolerance N : $\pm 25\%$

■ Typical Impedance v.s. Frequency Curve



■ Typical Impedance v.s. Frequency Curve

