ARLITECH ELECTRONIC CORP.
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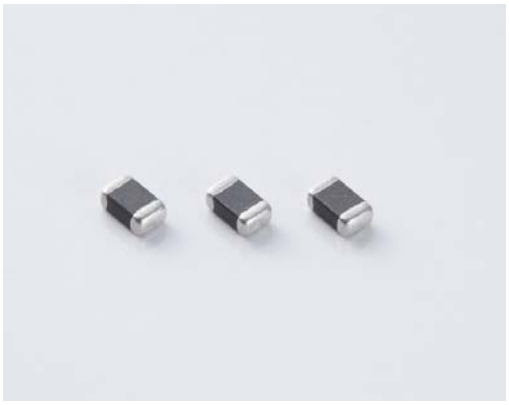
FAX:886-2-2995-7520
E-mail:sales@arlitech.com.tw

EMI SUPPRESSION FILTER / AMC Series

● Features

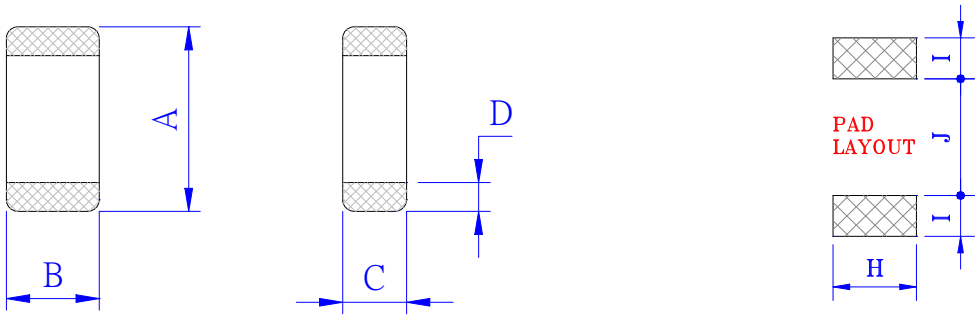
Combination of high frequency noise suppression with capability of handling high current. The current rating up to 6 Amps with low DCR.



● Applications

1. High current DC power lines
2. Circuits where a stable ground in unavailable

● Shape & Dimensions



TYPE	A (mm)	B (mm)	C (mm)	D (mm)	H (Ref.)	I (Ref.)	J (Ref.)
AMC1005	1.0±0.1	0.5±0.1	0.5±0.1	0.25±0.15	0.6	0.6	0.6
AMC1608	1.6 ± 0.2	0.8 ± 0.2	0.8 ± 0.2	0.3 ± 0.2	0.7	0.7	0.7
AMC2012	2.0 ± 0.2	1.2 ± 0.2	0.9 ± 0.2	0.5 ± 0.3	1.0	0.8	1.0

■ PRODUCT IDENTIFICATION

A M C 1 0 0 5 △ △ △ △ △ 3 0 0 N T △

① ② ③ ④ ⑤ ⑥ ⑦

① Product	
AMC	

② Dimension	
1005	
1608	
2012	

③ Type	
Q△△:	Type Code

④ Impedance(Ω)	
300	30

⑤ Tolerance	
N	±25%

⑥ Package	
T	Taping reel
B	Bulk

⑦ Special product	
"A~"Z"	

◆ AMC1005 Series Specification：

Part Number	Impedance (Ω)	Test Freq. (MHz)	DCR (Ω) Max.	Rated Current (A) Max.
AMC1005Q100□T	10	100	0.05	1.0
AMC1005Q300□T	30	100	0.15	2.0
AMC1005Q121□T	120	100	0.20	1.2

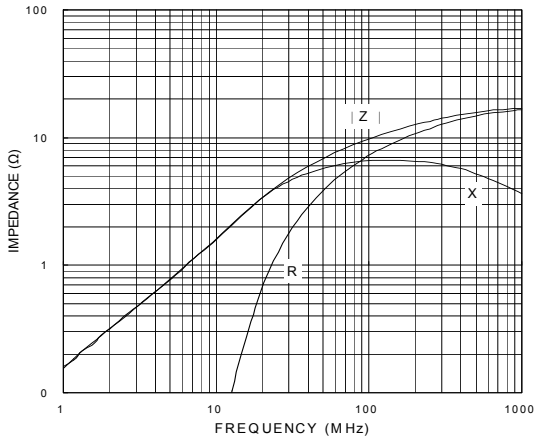
NOTE：

* The operating temperature range is -55℃ to +125℃(Including self-temperature rise)

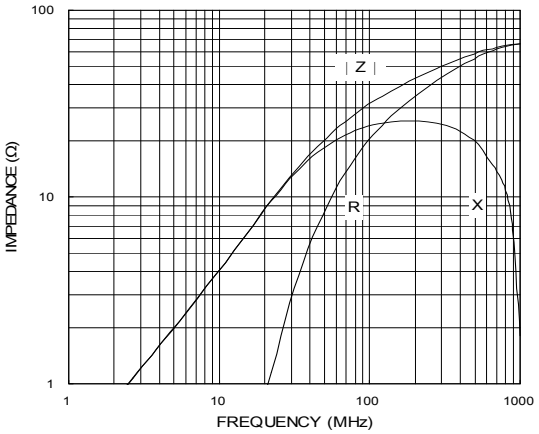
* □ Tolerance N：±25%

■ Typical Impedance v.s. Frequency Curve

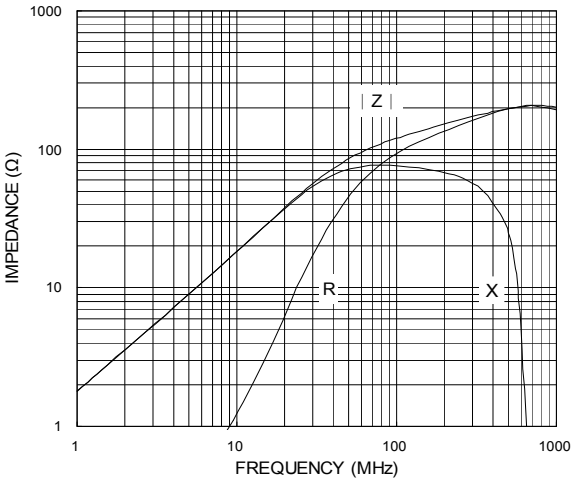
AMC1005Q100NT



AMC1005Q300NT



AMC1005Q121NT



◆ AMC1608 Series Specification：

Part Number	Impedance (Ω)	Test Freq. (MHz)	DCR (Ω) Max.	Rated Current (A) Max.
AMC1608Q300□T	30	100	0.03	3.0
AMC1608Q600□T	60	100	0.04	3.0
AMC1608Q121□T	120	100	0.10	2.5
AMC1608Q301□T	300	100	0.15	2.0
AMC1608Q601□T	600	100	0.20	1.0

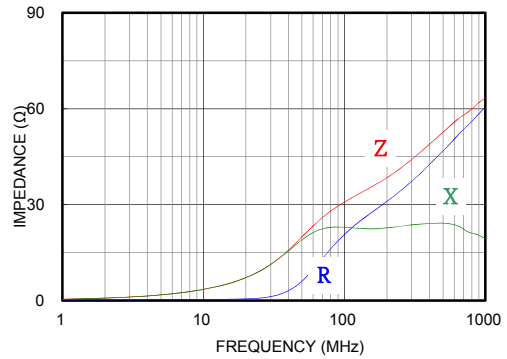
NOTE：

* The operating temperature range is -55℃ to +125℃(Including self-temperature rise)

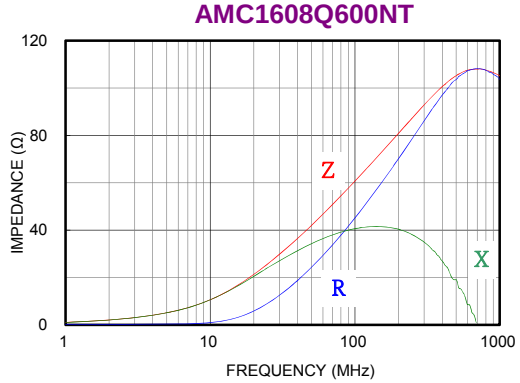
* □ Tolerance N：±25%

■ Typical Impedance v.s. Frequency Curve

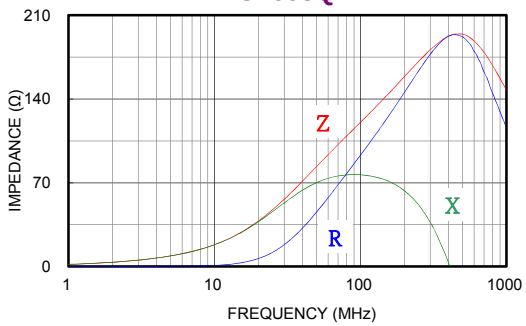
AMC1608Q300NT



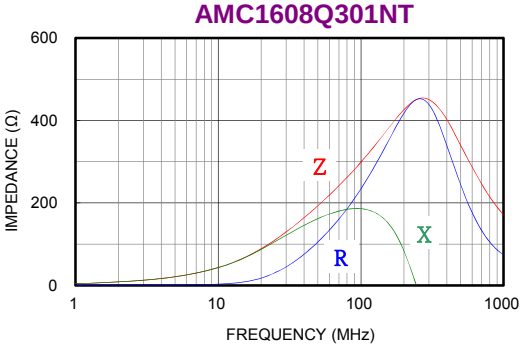
AMC1608Q600NT



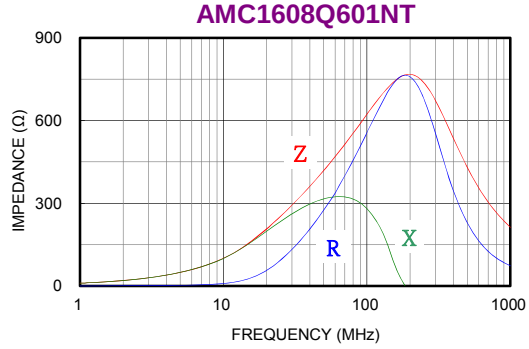
AMC1608Q121NT



AMC1608Q301NT



AMC1608Q601NT



◆ AMC2012 Series Specification：

Part Number	Impedance (Ω)	Test Freq. (MHz)	DCR (Ω) Max.	Rated Current (A) Max.
AMC2012Q170□T	17	100	0.025	3.0
AMC2012Q300□T	30	100	0.025	3.0
AMC2012Q121□T	120	100	0.060	3.0
AMC2012Q301□T	300	100	0.100	2.0
AMC2012Q601□T	600	100	0.150	2.0

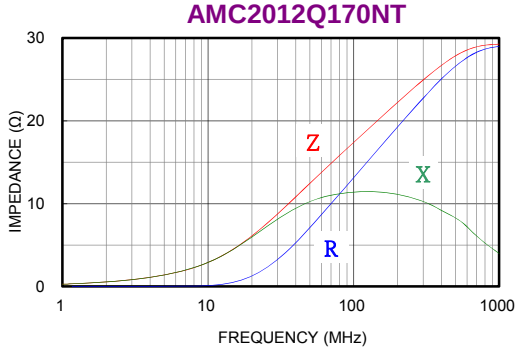
NOTE：

* The operating temperature range is -55℃ to +125℃(Including self-temperature rise)

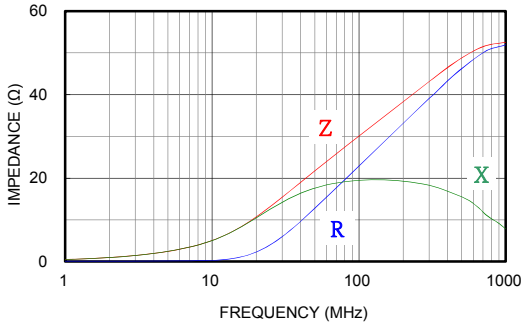
* □ Tolerance N：±25%

■ Typical Impedance v.s. Frequency Curve

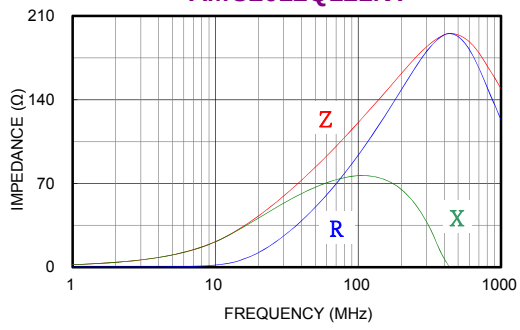
AMC2012Q170NT



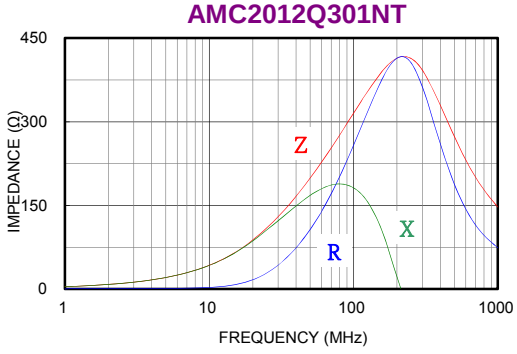
AMC2012Q300NT



AMC2012Q121NT



AMC2012Q301NT



AMC2012Q601NT