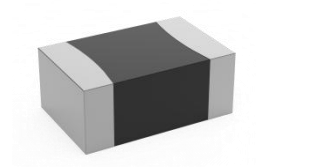


FEATURES

- Internal silver printed layers and magnetic shielded structures to minimize crosstalk.
- Can be used in a wide range of frequency to suppress EMI.
- Operating temperature:-55℃~+125℃.



APPLICATIONS

- Noise suppression for signal line of electric equipments such as computers and peripheral devices, DVD cameras, LCD TVs, communication equipments, OA equipments, etc.

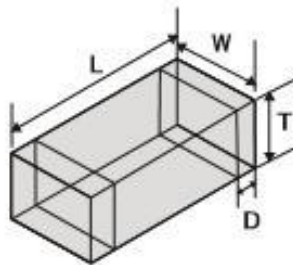
PRODUCT IDENTIFICATION

FCB 1608 S 601 T

(1) (2) (3) (4) (5)

- (1) Series name
- (2) Product dimensions
- (3) Feature Type
- (4) Impedance Value (100:10Ω, 101:100Ω, 102:1000Ω)
- (5) Package(T:Tape&Reel)

SHAPE AND DIMENSIONS



Unit:mm

Series	L	W	T	D
FCB0603	0.6±0.03	0.3±0.03	0.3±0.03	0.15±0.05
FCB1005	1.0±0.15	0.5±0.15	0.5±0.15	0.25±0.10
FCB1608	1.6±0.20	0.8±0.20	0.8±0.20	0.3±0.20
FCB2012	2.0±0.20	1.2±0.20	0.9±0.20	0.5±0.30
FCB3216	3.2±0.20	1.6±0.20	0.9±0.20	0.5±0.30

SPECIFICATIONS

FCB0603 Series

Part Number	Impedance(Ω)	Tolerance(%)	Test Frequency (MHz)	DCR Max.(Ω)	Irms Max. (mA)
FCB0603S100T	10	$\pm 5\Omega$	100	0.10	500
FCB0603S220T	22	$\pm 25\%$	100	0.25	300
FCB0603S330T	33	$\pm 25\%$	100	0.30	300
FCB0603S600T	60	$\pm 25\%$	100	0.40	200
FCB0603S700T	70	$\pm 25\%$	100	0.40	200
FCB0603S800T	80	$\pm 25\%$	100	0.40	200
FCB0603S121T	120	$\pm 25\%$	100	0.50	200
FCB0603S241T	240	$\pm 25\%$	100	0.80	200
FCB0603S601T	600	$\pm 25\%$	100	1.50	100
FCB0603S102T	1000	$\pm 25\%$	100	2.50	100

FCB1005 Series

Part Number	Impedance(Ω)	Tolerance(%)	Test Frequency (MHz)	DCR Max.(Ω)	Irms Max. (mA)
FCB1005S000T	0	0~15 Ω	100	0.05	500
FCB1005S050T	5	0~15 Ω	100	0.05	500
FCB1005S070T	7	0~11 Ω	100	0.05	500
FCB1005S090T	9	5~13 Ω	100	0.05	500
FCB1005S110T	11	7~15 Ω	100	0.05	500
FCB1005S150T	15	9~21 Ω	100	0.05	500
FCB1005S190T	19	12~25 Ω	100	0.10	300
FCB1005S260T	26	$\pm 25\%$	100	0.13	300
FCB1005S310T	31	$\pm 25\%$	100	0.20	300
FCB1005S360T	36	$\pm 25\%$	100	0.20	300
FCB1005S600T	60	$\pm 25\%$	100	0.30	200
FCB1005S800T	80	$\pm 25\%$	100	0.35	200
FCB1005S101T	100	$\pm 25\%$	100	0.35	200
FCB1005S121T	120	$\pm 25\%$	100	0.40	200
FCB1005S151T	150	$\pm 25\%$	100	0.47	200
FCB1005S181T	180	$\pm 25\%$	100	0.52	150
FCB1005S201T	200	$\pm 25\%$	100	0.52	150
FCB1005S221T	220	$\pm 25\%$	100	0.52	150
FCB1005S301T	300	$\pm 25\%$	100	0.65	100
FCB1005S501T	500	$\pm 25\%$	100	0.90	100
FCB1005S601T	600	$\pm 25\%$	100	1.00	100
FCB1005S801T	800	$\pm 25\%$	100	1.30	100
FCB1005S102T	1000	$\pm 25\%$	100	1.40	100
FCB1005S122T	1200	$\pm 25\%$	100	1.80	25

FCB1608 Series

Part Number	Impedance(Ω)	Tolerance(%)	Test Frequency (MHz)	DCR Max.(Ω)	Irms Max. (mA)
FCB1608S000T	0	0~15 Ω	100	0.05	2000
FCB1608S050T	5	0~15 Ω	100	0.05	2000
FCB1608S070T	7	0~11 Ω	100	0.05	2000
FCB1608S090T	9	5~13 Ω	100	0.05	2000
FCB1608S110T	11	7~15 Ω	100	0.05	2000
FCB1608S150T	15	9~21 Ω	100	0.05	2000
FCB1608S190T	19	12~25 Ω	100	0.05	2000
FCB1608S260T	26	$\pm 25\%$	100	0.05	2000
FCB1608S310T	31	$\pm 25\%$	100	0.05	1000
FCB1608S600T	60	$\pm 25\%$	100	0.15	400
FCB1608S700T	70	$\pm 25\%$	100	0.15	400
FCB1608S800T	80	$\pm 25\%$	100	0.15	400
FCB1608S101T	100	$\pm 25\%$	100	0.20	300
FCB1608S121T	120	$\pm 25\%$	100	0.20	300
FCB1608S151T	150	$\pm 25\%$	100	0.20	300
FCB1608S181T	180	$\pm 25\%$	100	0.30	300
FCB1608S221T	220	$\pm 25\%$	100	0.30	300
FCB1608S301T	300	$\pm 25\%$	100	0.35	200
FCB1608S501T	500	$\pm 25\%$	100	0.45	200
FCB1608S601T	600	$\pm 25\%$	100	0.45	200
FCB1608S801T	800	$\pm 25\%$	100	0.60	200
FCB1608S102T	1000	$\pm 25\%$	100	0.60	200
FCB1608S122T	1200	$\pm 25\%$	100	0.70	200
FCB1608S152T	1500	$\pm 25\%$	100	0.70	200
FCB1608S182T	1800	$\pm 25\%$	100	0.90	150
FCB1608S202T	2000	$\pm 25\%$	100	1.10	150
FCB1608S222T	2200	$\pm 25\%$	100	1.20	100
FCB1608S252T	2500	$\pm 25\%$	100	1.30	50

FCB2012 Series

Part Number	Impedance(Ω)	Tolerance(%)	Test Frequency (MHz)	DCR Max.(Ω)	Irms Max. (mA)
FCB2012S000T	0	0~15 Ω	100	0.04	2200
FCB2012S050T	5	0~15 Ω	100	0.04	2200
FCB2012S070T	7	0~11 Ω	100	0.04	2200
FCB2012S090T	9	5~13 Ω	100	0.04	2200
FCB2012S110T	11	7~15 Ω	100	0.04	2200
FCB2012S150T	15	9~21 Ω	100	0.04	2200
FCB2012S190T	19	12~25 Ω	100	0.04	2200
FCB2012S260T	26	$\pm 25\%$	100	0.05	1500
FCB2012S310T	31	$\pm 25\%$	100	0.05	1500
FCB2012S360T	36	$\pm 25\%$	100	0.05	1500
FCB2012S600T	60	$\pm 25\%$	100	0.10	1000
FCB2012S700T	70	$\pm 25\%$	100	0.10	1000
FCB2012S800T	80	$\pm 25\%$	100	0.10	1000
FCB2012S101T	100	$\pm 25\%$	100	0.15	800
FCB2012S121T	120	$\pm 25\%$	100	0.15	800
FCB2012S151T	150	$\pm 25\%$	100	0.18	700
FCB2012S181T	180	$\pm 25\%$	100	0.18	700
FCB2012S221T	220	$\pm 25\%$	100	0.20	600
FCB2012S301T	300	$\pm 25\%$	100	0.20	600
FCB2012S501T	500	$\pm 25\%$	100	0.30	550
FCB2012S601T	600	$\pm 25\%$	100	0.30	550
FCB2012S801T	800	$\pm 25\%$	100	0.35	500
FCB2012S102T	1000	$\pm 25\%$	100	0.35	500
FCB2012S122T	1200	$\pm 25\%$	100	0.40	500
FCB2012S152T	1500	$\pm 25\%$	100	0.40	500
FCB2012S202T	2000	$\pm 25\%$	100	0.45	500
FCB2012S222T	2200	$\pm 25\%$	100	0.45	500
FCB2012S252T	2500	$\pm 25\%$	100	0.50	400
FCB2012S272T	2700	$\pm 25\%$	100	0.60	200
FCB2012S302T	3000	$\pm 25\%$	100	0.60	200

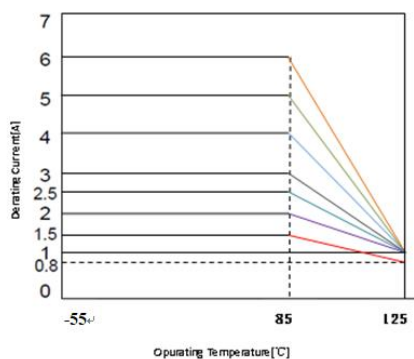
FCB3216 Series

Part Number	Impedance(Ω)	Tolerance(%)	Test Frequency (MHz)	DCR Max.(Ω)	Irms Max. (mA)
FCB3216S000T	0	0~15 Ω	100	0.05	2200
FCB3216S050T	5	0~15 Ω	100	0.05	2200
FCB3216S070T	7	0~11 Ω	100	0.05	2200
FCB3216S090T	9	5~13 Ω	100	0.05	2000
FCB3216S110T	11	7~15 Ω	100	0.05	2000
FCB3216S150T	15	9~21 Ω	100	0.05	2000
FCB3216S190T	19	12~25 Ω	100	0.05	2000
FCB3216S260T	26	$\pm 25\%$	100	0.05	2000
FCB3216S310T	31	$\pm 25\%$	100	0.05	2000
FCB3216S600T	60	$\pm 25\%$	100	0.10	1000
FCB3216S700T	70	$\pm 25\%$	100	0.10	1000
FCB3216S800T	80	$\pm 25\%$	100	0.10	1000
FCB3216S101T	100	$\pm 25\%$	100	0.10	1000
FCB3216S121T	120	$\pm 25\%$	100	0.10	1000
FCB3216S151T	150	$\pm 25\%$	100	0.15	1000
FCB3216S181T	180	$\pm 25\%$	100	0.15	1000
FCB3216S221T	220	$\pm 25\%$	100	0.20	800
FCB3216S301T	300	$\pm 25\%$	100	0.20	800
FCB3216S501T	500	$\pm 25\%$	100	0.30	600
FCB3216S601T	600	$\pm 25\%$	100	0.30	600
FCB3216S801T	800	$\pm 25\%$	100	0.35	600
FCB3216S102T	1000	$\pm 25\%$	100	0.35	600
FCB3216S122T	1200	$\pm 25\%$	100	0.60	300
FCB3216S152T	1500	$\pm 25\%$	100	0.60	300
FCB3216S182T	1800	$\pm 25\%$	100	0.80	100
FCB3216S202T	2000	$\pm 25\%$	100	1.00	100
FCB3216S252T	2500	$\pm 25\%$	100	1.20	50
FCB3216S302T	3000	$\pm 25\%$	100	1.50	50

Note:

Irms: DC current that causes the temperature rise($\Delta T=40^{\circ}\text{C}$) from 25°C ambient.

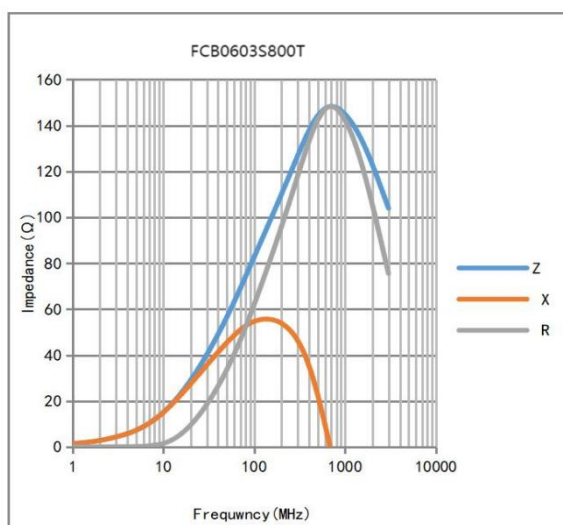
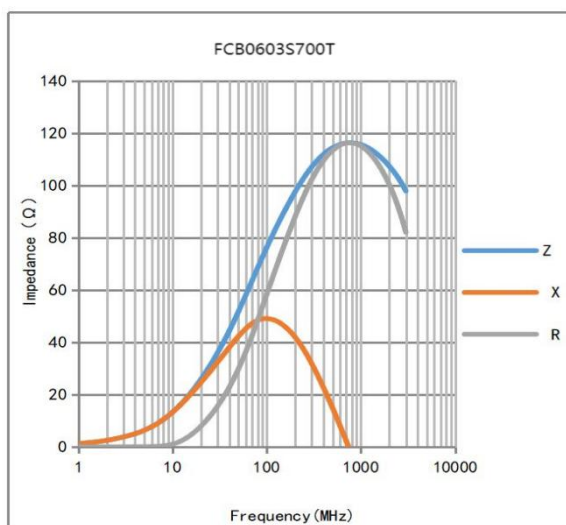
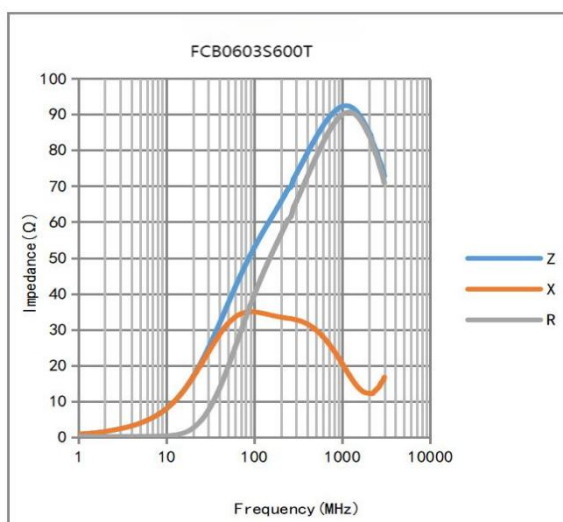
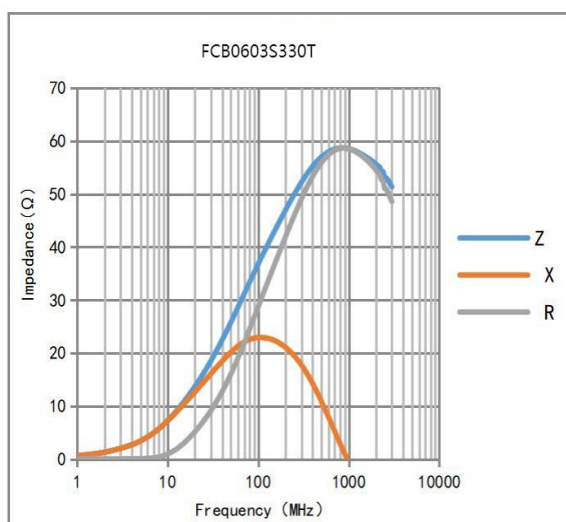
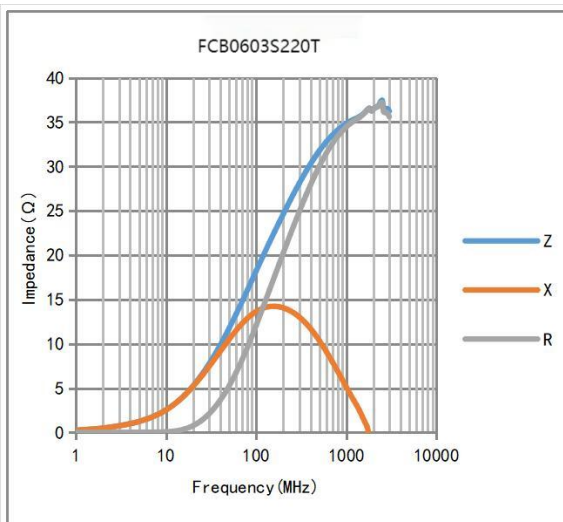
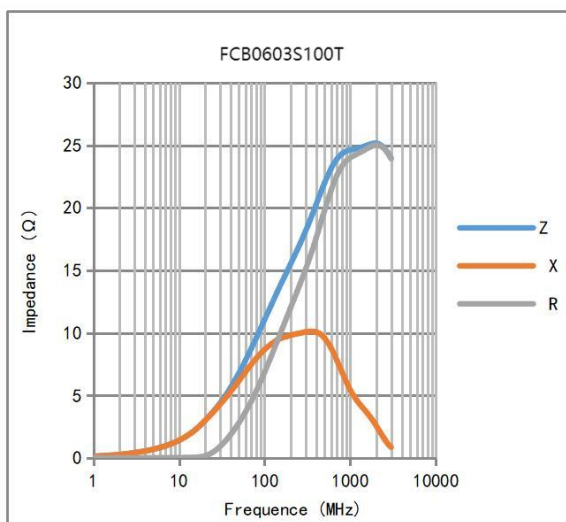
When Operating temperatures exceed $+85^{\circ}\text{C}$, derating of current is necessary for chip ferrite beads for which rated current is 1A and over. Please apply the derating curve shown in chart according to the operating temperature.

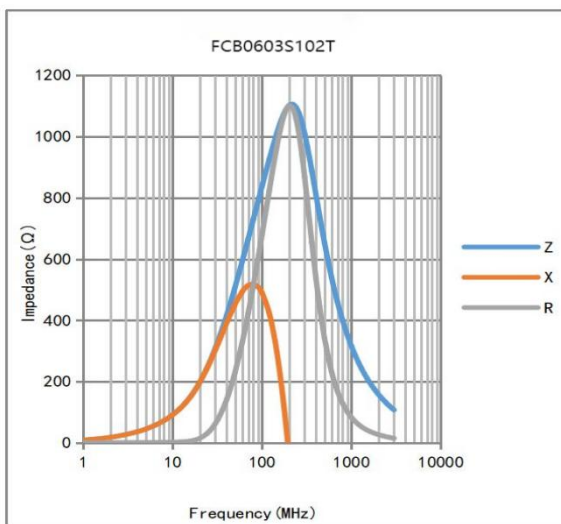
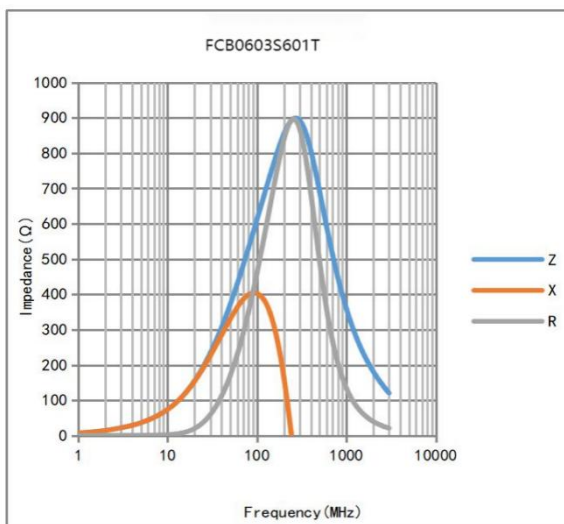
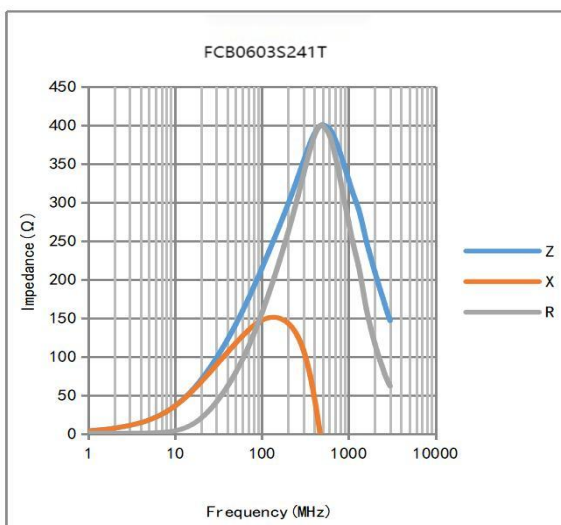
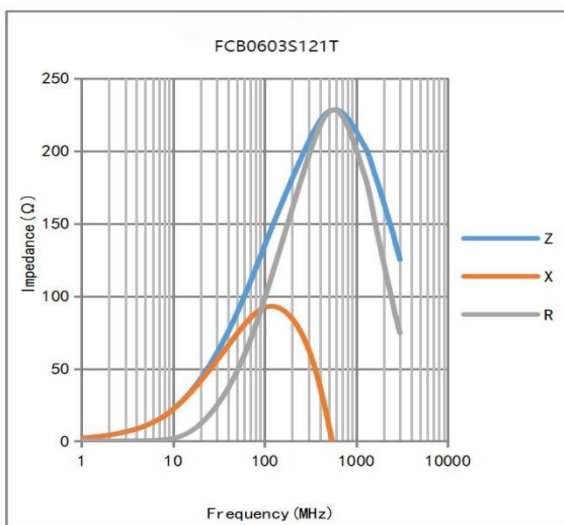


CHARACTERISTICS CURVES

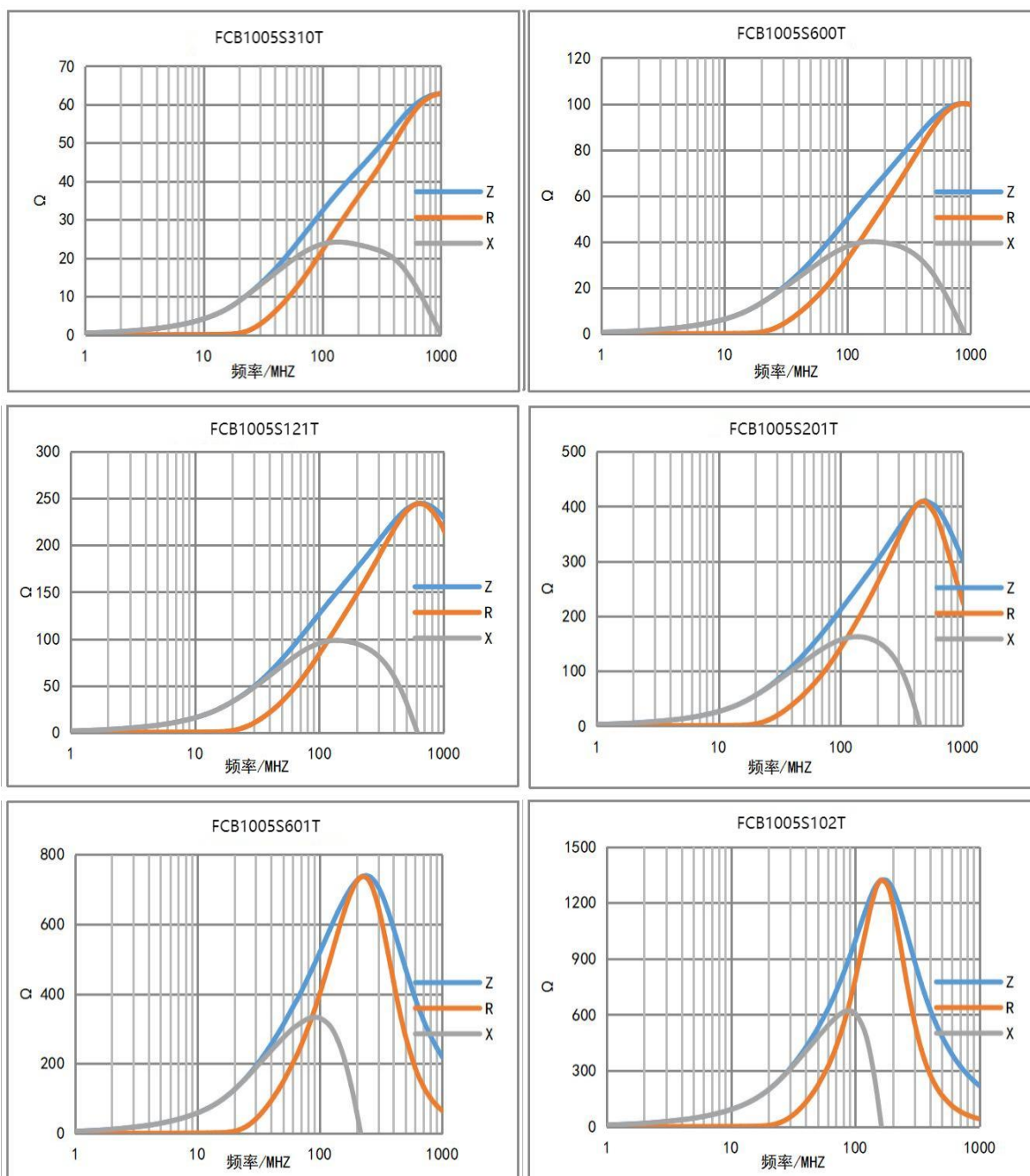
Impedance VS. Frequency

FCB0603 Series

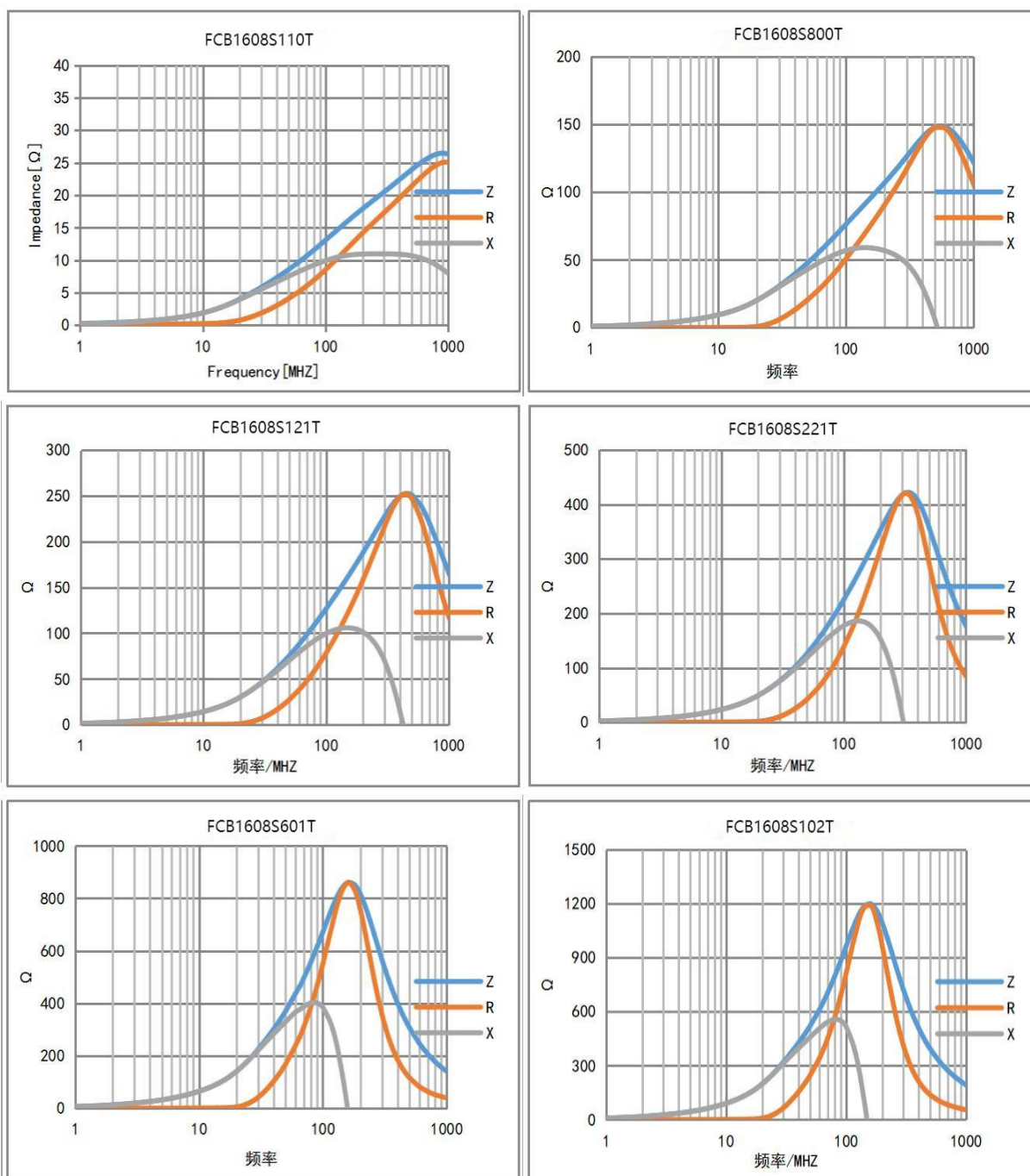




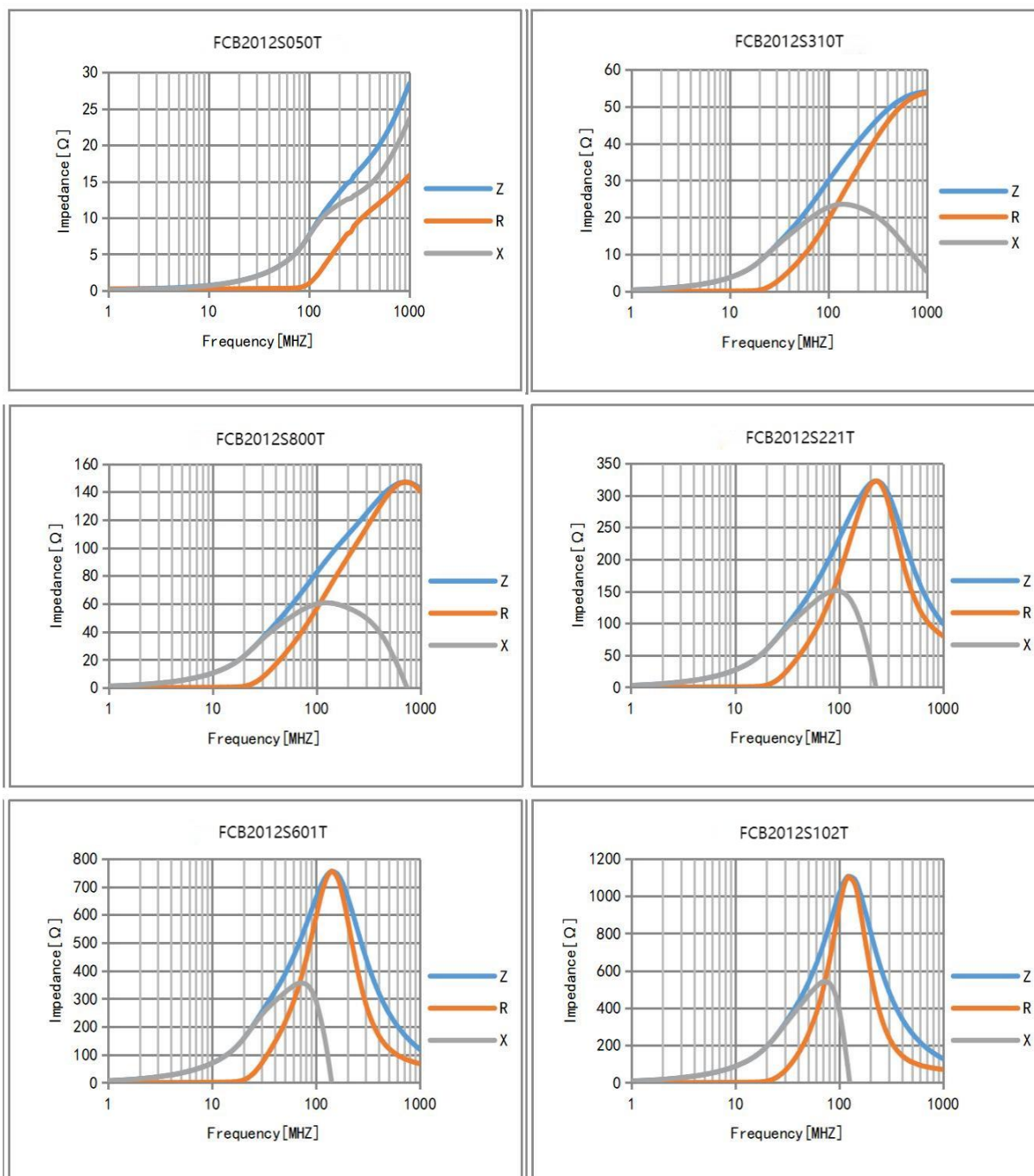
FCB1005 Series



FCB1608 Series



FCB2012 Series



FCB3216 Series

