Beads

Use of low speed signal line

系列	形状	尺寸
SBLxxxxxxG		1005[0402]-4532[1812]

Inpedance Range(Ω)	0~2700	Rated Current(mA)	30~1000

Use of high speed signal line

系列	形状	尺寸
SBLxxxxxxY		1005[0402]-3216[1206]

Inpedance Range(Ω)	0~600	Rated Current(mA)	100~600

Use of high frequency signal line

系列	形状	尺寸
SBLxxxxxxH		1005[0402]-3216[1206]

Inpedance Range(Ω)	0~1200	Rated Current(mA)	100~1000

Use of high speed signal line

系列	形状	尺寸
SBLxxxxxxW		1005[0402]-4532[1812]

Inpedance Range(Ω)	0~2500	Rated Current(mA)	100~6000

Use of high speed signal line

系列	形状	尺寸
SBLxxxxxxM		1005[0402]-4532[1812]

Inpedance Range(Ω)	0~1000	Rated Current(mA)	300~6000

Multilayer Chip Ferrite General Bead SBLxxxxxxG Series

Features 特点

- Multilayer monolithic construction yields high reliability
  独石结构、高可靠性
- Excellent solderability and heat resistance for either flow or reflow soldering 良好的可焊性和耐焊性
- Substantial EMI suppression over a wide frequency range 在宽频段有显著的抑制噪声效果

Applications 应用

- Noise suppression in digital equipment such as computer and its peripheral devices, DVD, camera, OA equipments, etc 电脑及周边设备、DVD、照相机、办公设备等噪声控制

Product Identification 产品标识

SBL	321609	G	102
①	②	③	④

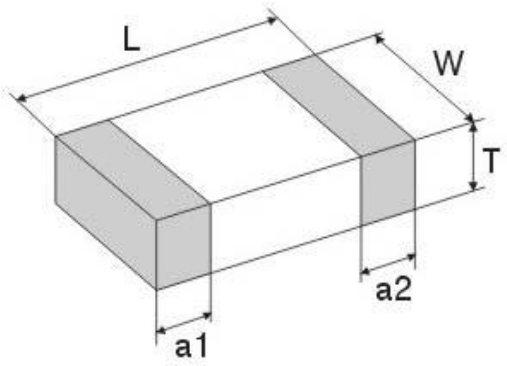
① Series name 系列名称

② Dimension 产品尺寸 L×W×T：【321609: 3.2mm×1.6mm×0.9mm】

③ Material code 材料代码

④ Impedance阻抗：【100=10Ω 101=100Ω 102=1000Ω】

Shapes And Dimensions 外形及尺寸示意图



Type	Dimensions (mm) [inch]			
	L	W	T	a1, a2
100505 [0402]	1.00±0.15 [0.04±0.006]	0.50±0.15 [0.02±0.006]	0.50±0.15 [0.02±0.006]	0.25±0.10 [0.01±0.004]
160808 [0603]	1.60±0.20 [0.063±0.008]	0.80±0.20 [0.031±0.008]	0.80±0.20 [0.031±0.008]	0.30±0.20 [0.012±0.008]
201209 [0805]	2.00±0.20 [0.079±0.008]	1.20±0.20 [0.049±0.008]	0.90±0.20 [0.035±0.008]	0.50±0.30 [0.02±0.012]
321609 [1206]	3.20±0.20 [0.126±0.008]	1.60±0.20 [0.063±0.008]	0.90±0.20 [0.035±0.008]	0.50±0.30 [0.02±0.012]
322513 [1210]	3.20±0.20 [0.126±0.008]	2.50±0.20 [0.098±0.008]	1.30±0.20 [0.051±0.008]	0.50±0.30 [0.02±0.012]
451616 [1806]	4.50±0.20 [0.180±0.008]	1.60±0.20 [0.063±0.008]	1.60±0.20 [0.063±0.008]	0.50±0.30 [0.02±0.012]
453215 [1812]	4.50±0.20 [0.180±0.008]	3.20±0.20 [0.126±0.008]	1.50±0.20 [0.06±0.008]	0.50±0.30 [0.02±0.012]

Electrical Characteristics 电气性能

SBL100505G Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL100505G-000	0~15	100	0.10	300
SBL100505G-050	0~15	100	0.10	300
SBL100505G-070	0~11	100	0.10	300
SBL100505G-090	5~13	100	0.10	300
SBL100505G-110	7~15	100	0.10	300
SBL100505G-150	9~21	100	0.10	300
SBL100505G-190	12~25	100	0.10	300
SBL100505G-260	26±25%	100	0.15	300
SBL100505G-310	31±25%	100	0.20	300
SBL100505G-360	36±25%	100	0.20	300
SBL100505G-600	60±25%	100	0.35	200
SBL100505G-800	80±25%	100	0.40	150
SBL100505G-121	120±25%	100	0.50	150
SBL100505G-151	150±25%	100	0.55	150
SBL100505G-181	180±25%	100	0.60	150
SBL100505G-221	220±25%	100	0.70	100
SBL100505G-301	300±25%	100	0.80	100
SBL100505G-501	500±25%	100	1.10	100
SBL100505G-610	600±25%	100	1.30	100
SBL100505G-801	800±25%	100	1.40	50
SBL100505G-102	1000±25%	100	1.60	25

SBL160808G Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL160808G-000	0~15	100	0.10	800
SBL160808G-050	0~15	100	0.10	800
SBL160808G-070	0~11	100	0.10	800
SBL160808G-090	5~13	100	0.10	800
SBL160808G-110	7~15	100	0.10	800
SBL160808G-150	9~21	100	0.10	800
SBL160808G-190	12~25	100	0.10	500
SBL160808G-260	26±25%	100	0.10	500
SBL160808G-310	31±25%	100	0.10	500
SBL160808G-600	60±25%	100	0.20	300
SBL160808G-700	70±25%	100	0.20	300
SBL160808G-800	80±25%	100	0.20	300
SBL160808G-101	100±25%	100	0.30	200
SBL160808G-121	120±25%	100	0.30	200
SBL160808G-151	150±25%	100	0.35	200
SBL160808G-181	180±25%	100	0.45	200
SBL160808G-221	220±25%	100	0.45	200

Electrical Characteristics 电气性能

SBL160808G Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL160808G - 301	300±25%	100	0.50	150
SBL160808G - 501	500±25%	100	0.60	150
SBL160808G - 601	600±25%	100	0.60	100
SBL160808G - 801	800±25%	100	0.70	100
SBL160808G - 102	1000±25%	100	0.80	100
SBL160808G - 122	1200±25%	100	0.85	100
SBL160808G - 152	1500±25%	100	0.85	50
SBL160808G - 202	2000±25%	100	1.10	50
SBL160808G - 222	2200±25%	100	1.20	50
SBL160808G - 252	2500±25%	100	1.30	50

SBL201209G Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL201209G- 000	0~15	100	0.08	900
SBL201209G- 050	0~15	100	0.08	900
SBL201209G- 070	0~11	100	0.08	900
SBL201209G- 090	5~13	100	0.10	900
SBL201209G- 110	7~15	100	0.10	900
SBL201209G- 150	9~21	100	0.10	900
SBL201209G- 190	12~25	100	0.10	900
SBL201209G- 260	26±25%	100	0.10	900
SBL201209G- 310	31±25%	100	0.10	900
SBL201209G- 360	36±25%	100	0.10	900
SBL201209G- 600	60±25%	100	0.15	900
SBL201209G- 700	70±25%	100	0.18	500
SBL201209G- 800	80±25%	100	0.18	500
SBL201209G- 101	100±25%	100	0.18	400
SBL201209G- 121	120±25%	100	0.20	400
SBL201209G- 151	150±25%	100	0.20	400
SBL201209G- 181	180±25%	100	0.20	300
SBL201209G- 221	220±25%	100	0.20	300
SBL201209G- 301	300±25%	100	0.35	300
SBL201209G- 501	500±25%	100	0.40	300
SBL201209G- 601	600±25%	100	0.40	300
SBL201209G- 801	800±25%	100	0.45	200
SBL201209G- 102	1000±25%	100	0.45	200
SBL201209G- 122	1200±25%	100	0.60	100
SBL201209G- 152	1500±25%	100	0.70	100
SBL201209G- 202	2000±25%	100	0.90	50
SBL201209G- 222	2200±25%	100	1.00	50
SBL201209G- 252	2500±25%	100	1.20	50
SBL201209G- 272	2700±25%	100	1.40	30

Electrical Characteristics 电气性能

SBL321609G Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL321609G- 000	0~15	100	0.10	1000
SBL321609G- 050	0~15	100	0.10	1000
SBL321609G- 070	0~11	100	0.10	1000
SBL321609G- 090	5~13	100	0.10	1000
SBL321609G- 110	7~15	100	0.10	1000
SBL321609G- 150	9~21	100	0.10	1000
SBL321609G- 190	12~25	100	0.10	1000
SBL321609G- 260	26±25%	100	0.10	1000
SBL321609G- 310	31±25%	100	0.10	1000
SBL321609G- 600	60±25%	100	0.15	1000
SBL321609G- 700	70±25%	100	0.15	1000
SBL321609G- 800	80±25%	100	0.15	1000
SBL321609G- 101	100±25%	100	0.25	1000
SBL321609G- 121	120±25%	100	0.25	1000
SBL321609G- 151	150±25%	100	0.30	400
SBL321609G- 181	180±25%	100	0.30	400
SBL321609G- 221	220±25%	100	0.35	400
SBL321609G- 301	300±25%	100	0.40	400
SBL321609G- 501	500±25%	100	0.45	300
SBL321609G- 601	600±25%	100	0.45	300
SBL321609G- 801	800±25%	100	0.55	300
SBL321609G- 102	1000±25%	100	0.55	300
SBL321609G- 122	1200±25%	100	0.60	100
SBL321609G- 202	2000±25%	50	1.00	50

SBL322513G Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL322513G- 110	7~15	100	0.10	1000
SBL322513G- 190	12~25	100	0.10	1000
SBL322513G- 260	26±25%	100	0.10	1000
SBL322513G- 310	31±25%	100	0.10	1000
SBL322513G- 600	60±25%	100	0.15	1000
SBL322513G- 700	70±25%	100	0.20	1000
SBL322513G- 800	80±25%	100	0.20	400
SBL322513G- 900	90±25%	100	0.20	400
SBL322513G- 101	100±25%	100	0.20	400
SBL322513G- 121	120±25%	100	0.20	400
SBL322513G- 151	150±25%	100	0.30	400
SBL322513G- 181	180±25%	100	0.40	400
SBL322513G- 221	220±25%	100	0.40	400

Electrical Characteristics 电气性能

SBL322513G Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL322513G- 301	300±25%	100	0.40	400
SBL322513G- 501	500±25%	100	0.40	300
SBL322513G- 601	600±25%	100	0.40	300
SBL322513G- 801	800±25%	100	0.40	300
SBL322513G- 102	1000±25%	100	0.40	300

SBL451616G Series

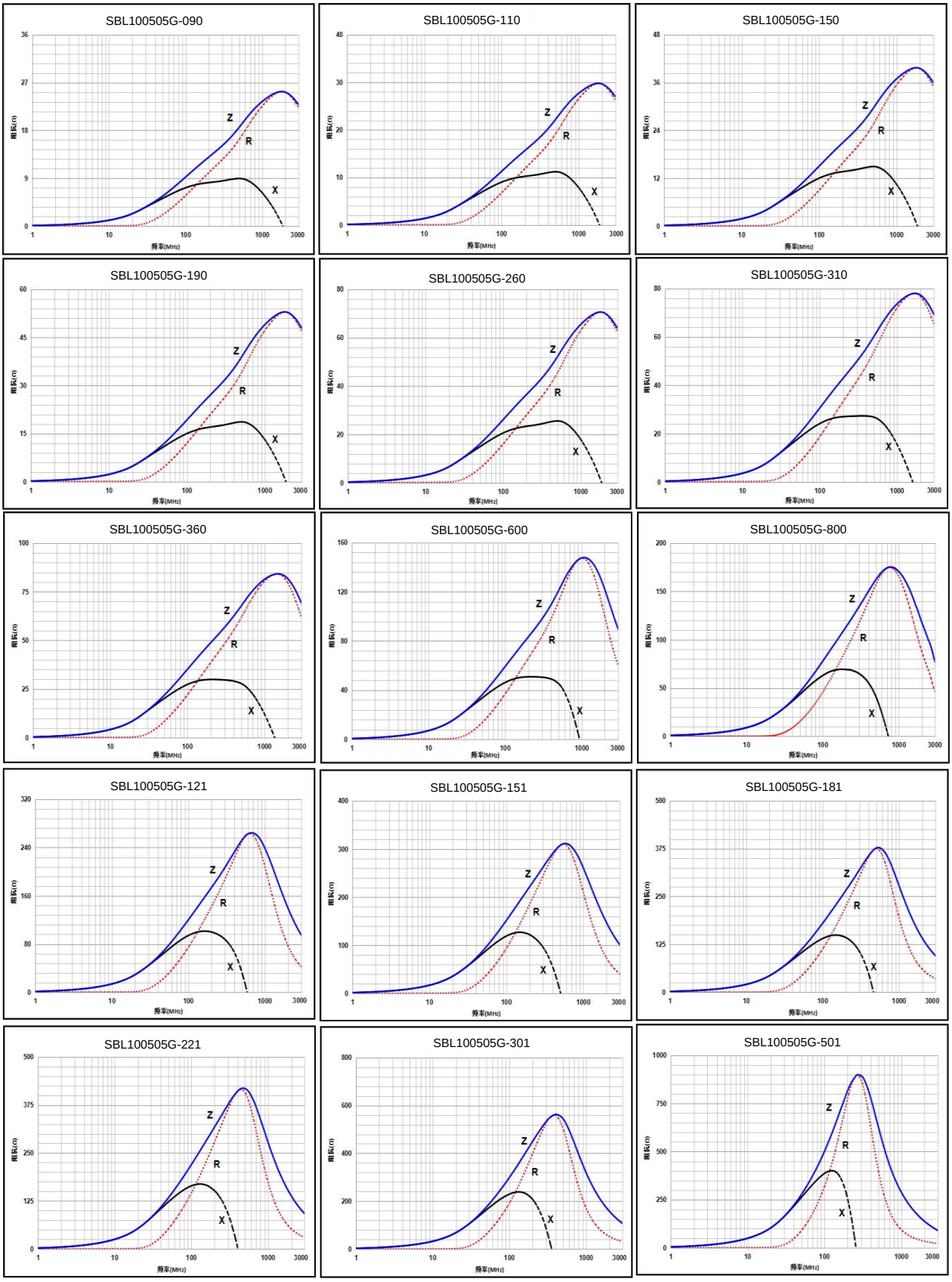
Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL451616G- 190	12~25	100	0.10	1000
SBL451616G- 260	26±25%	100	0.10	1000
SBL451616G- 310	31±25%	100	0.15	1000
SBL451616G- 600	60±25%	100	0.20	1000
SBL451616G- 750	75±25%	100	0.30	1000
SBL451616G- 800	80±25%	100	0.30	1000
SBL451616G- 900	90±25%	100	0.35	1000
SBL451616G- 121	120±25%	100	0.40	500
SBL451616G- 151	150±25%	100	0.40	500
SBL451616G- 221	220±25%	100	0.45	500
SBL451616G- 301	300±25%	100	0.45	500
SBL451616G- 501	500±25%	100	0.50	200
SBL451616G- 601	600±25%	100	0.50	200
SBL451616G- 801	800±25%	100	0.55	200

SBL453215G Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL453215G- 300	30±25%	100	0.15	1000
SBL453215G- 310	31±25%	100	0.15	1000
SBL453215G- 380	38±25%	100	0.15	1000
SBL453215G- 600	60±25%	100	0.20	1000
SBL453215G- 700	70±25%	100	0.20	1000
SBL453215G- 800	80±25%	100	0.20	1000
SBL453215G- 900	90±25%	100	0.20	500
SBL453215G- 101	100±25%	100	0.20	500
SBL453215G- 121	120±25%	100	0.25	500
SBL453215G- 151	150±25%	100	0.25	500
SBL453215G- 221	220±25%	100	0.30	300
SBL453215G- 301	300±25%	100	0.30	300
SBL453215G- 601	600±25%	100	0.40	200

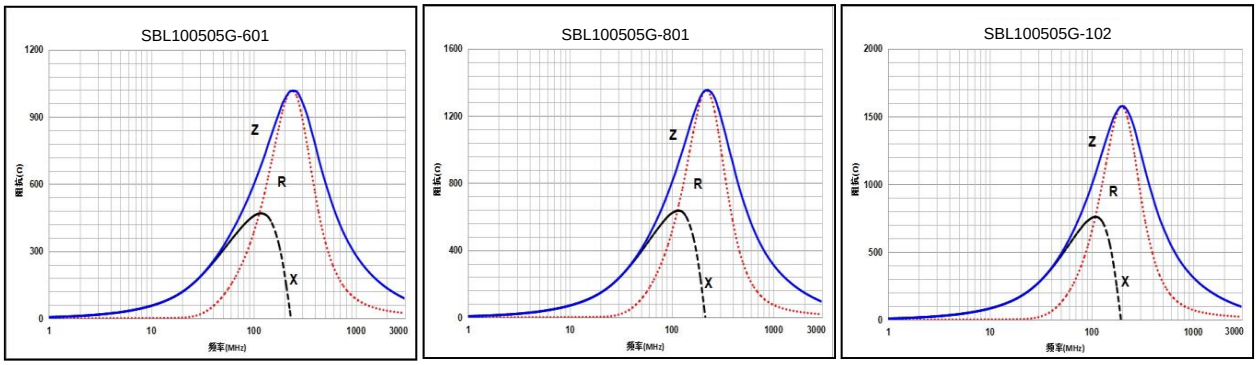
Impedance Frequency Characteristics 阻抗频率性能

SBL100505G Series

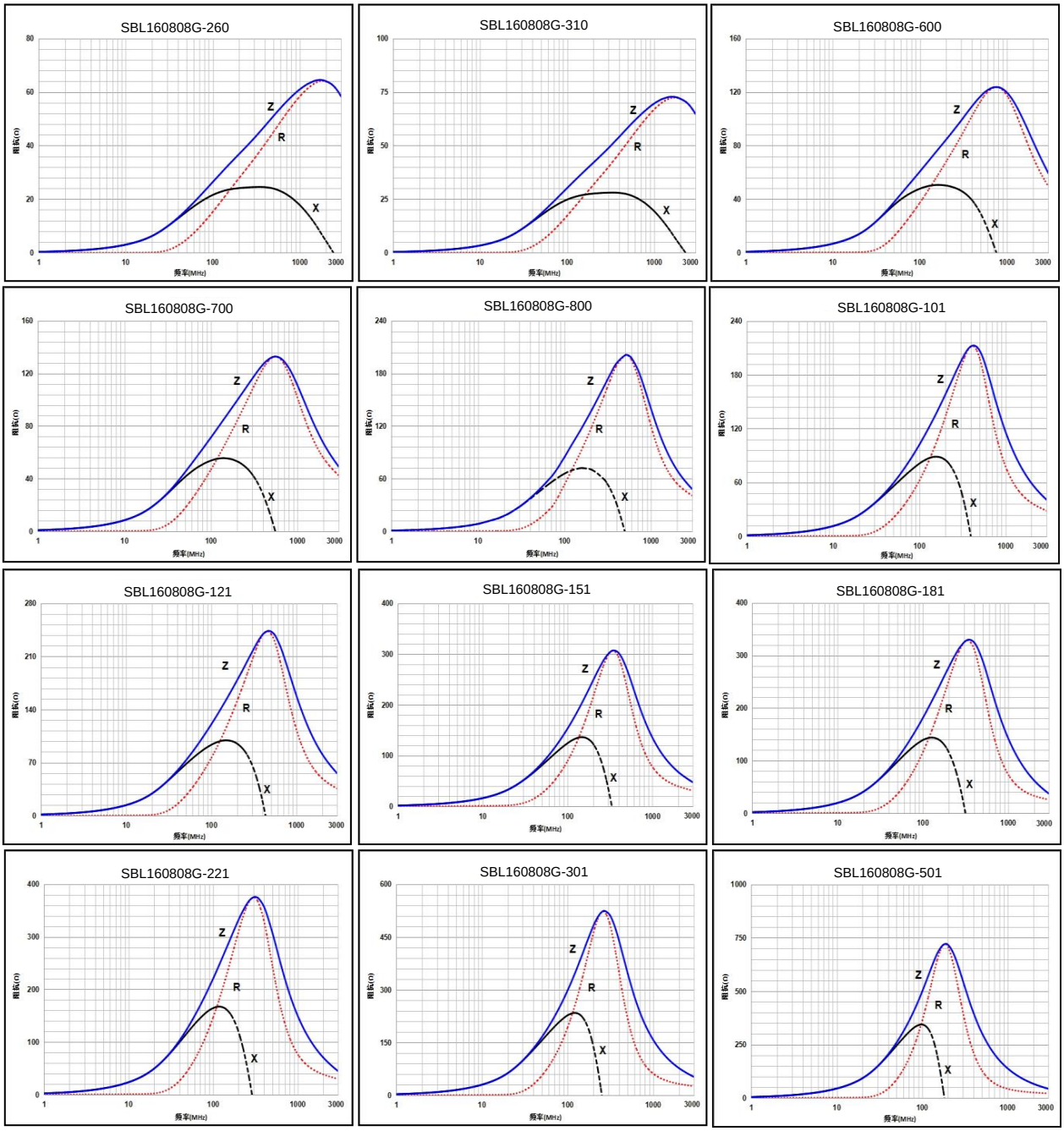


Impedance Frequency Characteristics 阻抗频率性能

SBL100505G Series

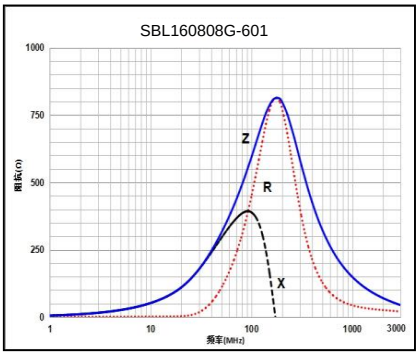


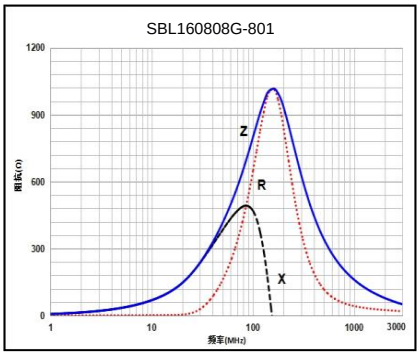
SBL160808G Series

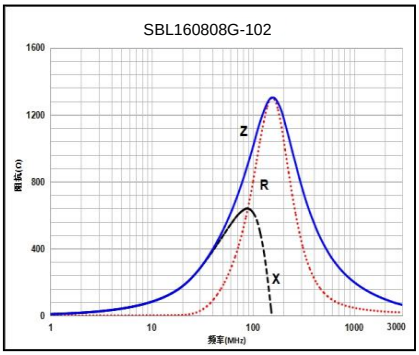


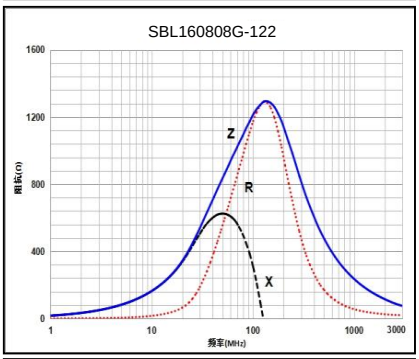
Impedance Frequency Characteristics 阻抗频率性能

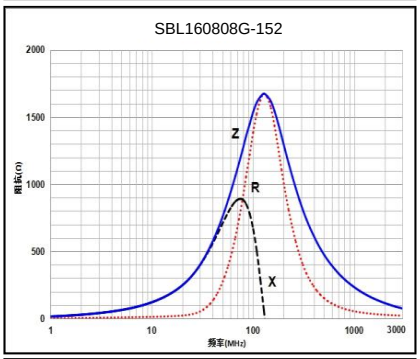
SBL160808G Series

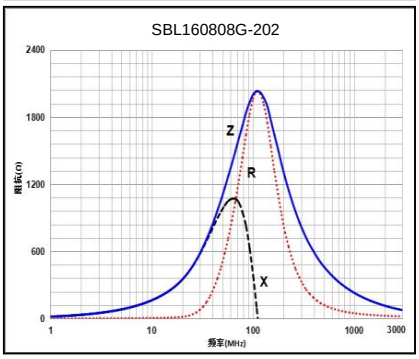


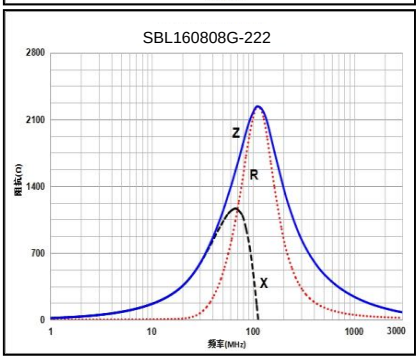


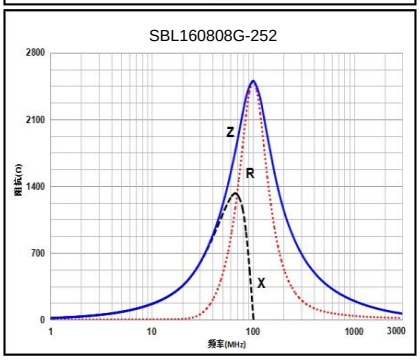




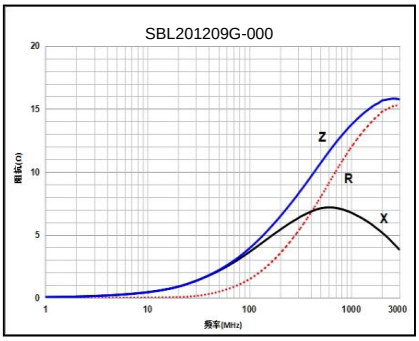


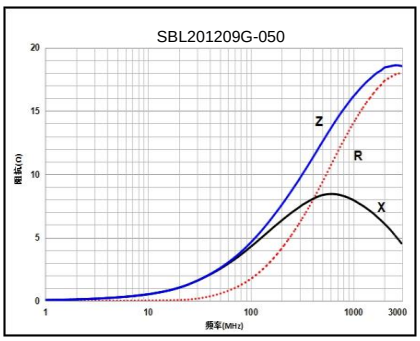


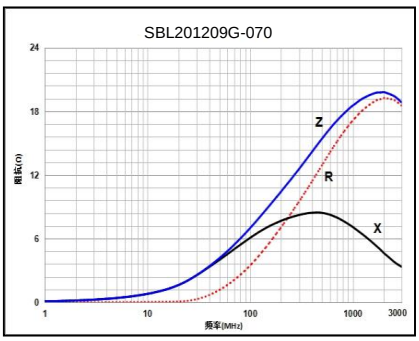


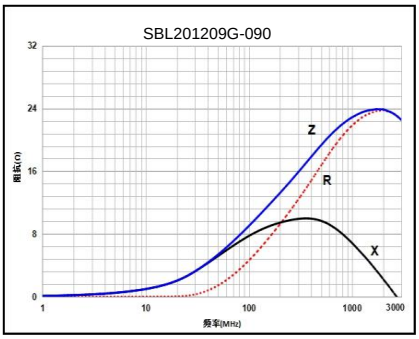


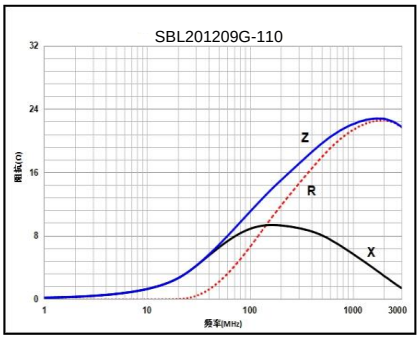
SBL201209G Series

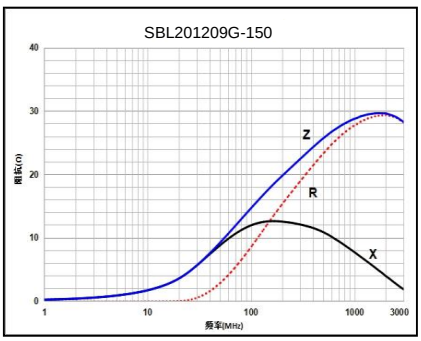






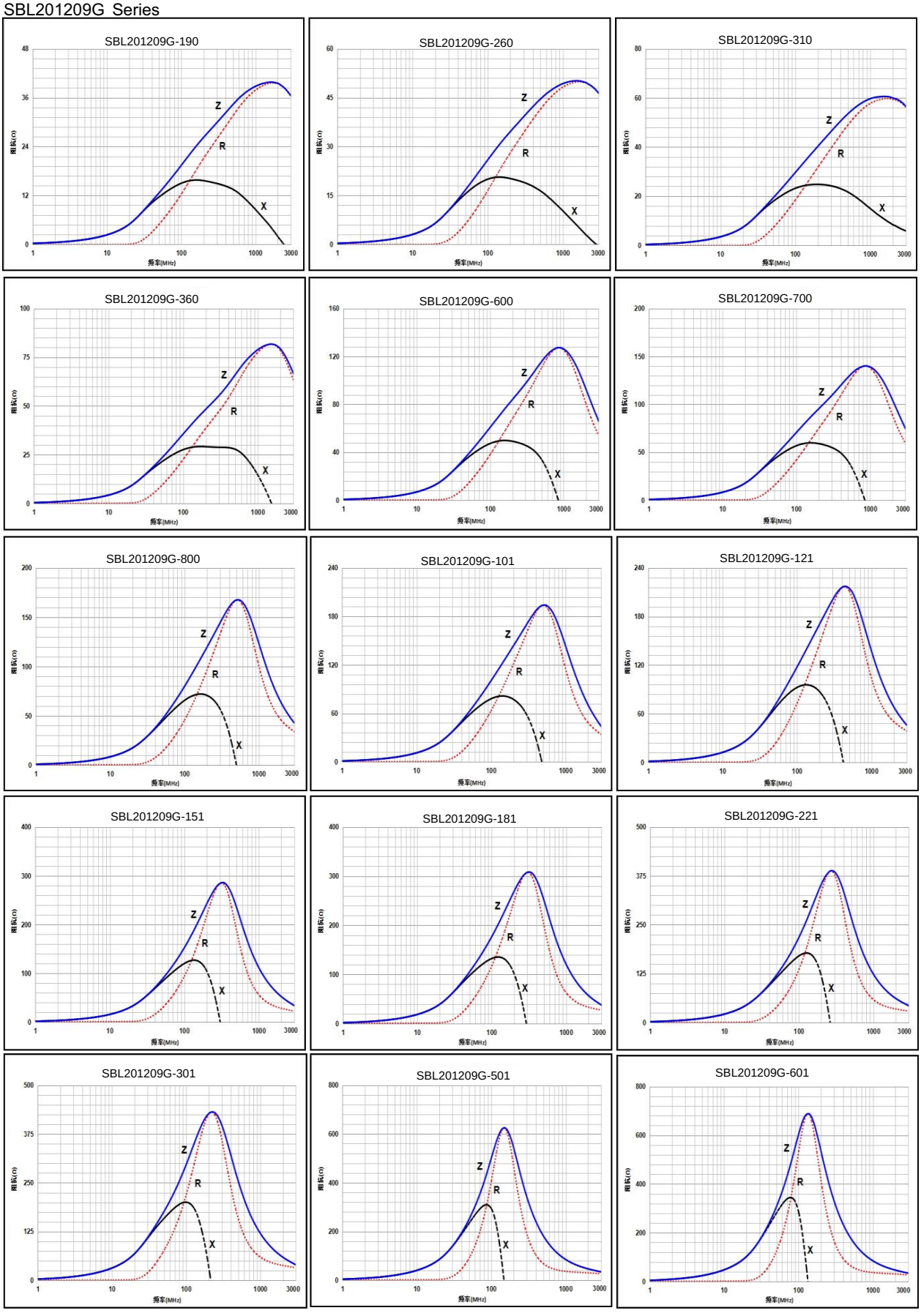






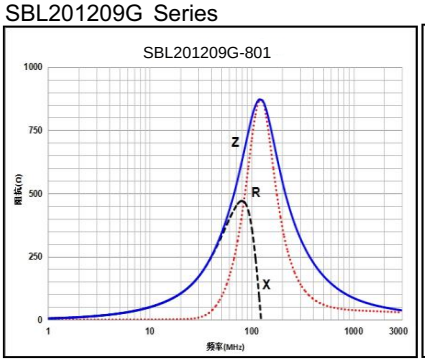
Impedance Frequency Characteristics 阻抗频率性能

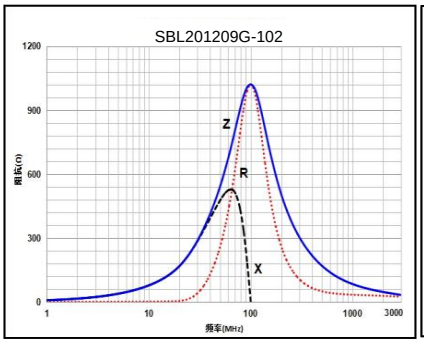
SBL201209G Series

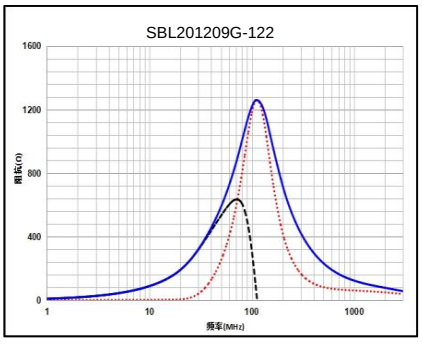


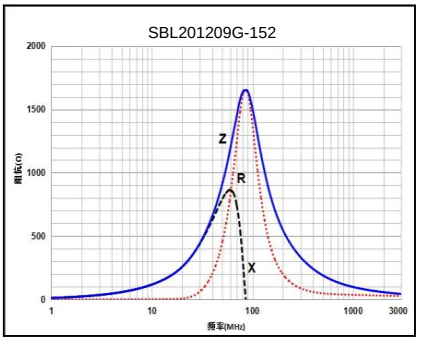
Impedance Frequency Characteristics 阻抗频率性能

SBL201209G Series

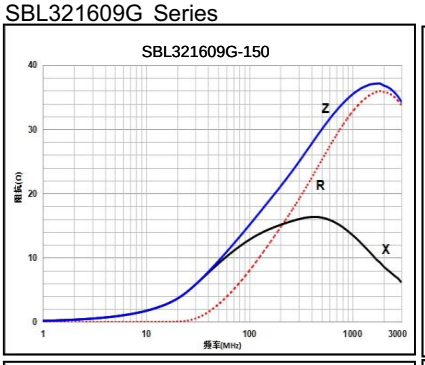


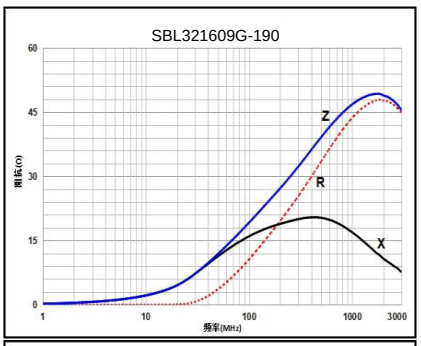


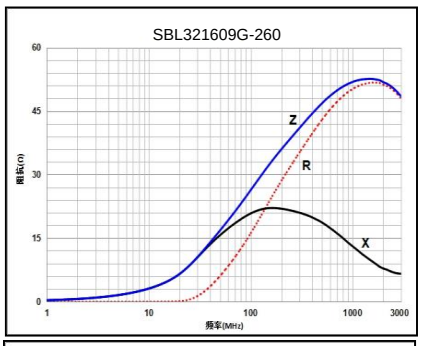


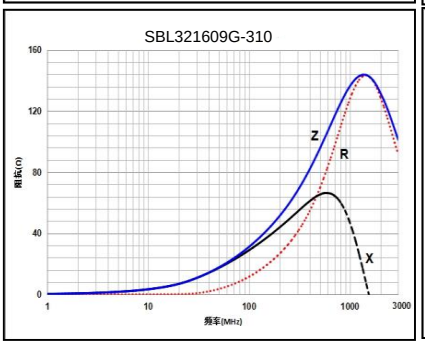


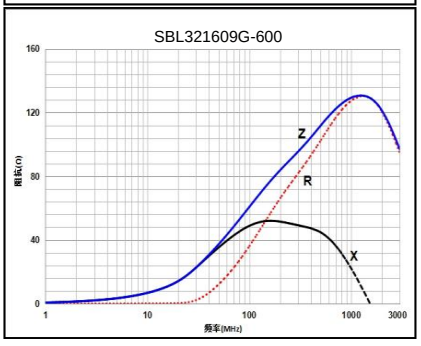
SBL321609G Series

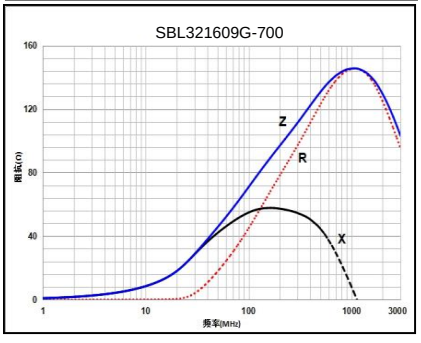


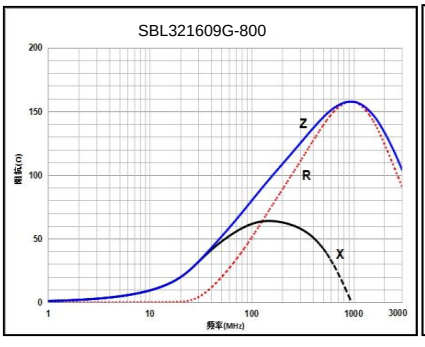


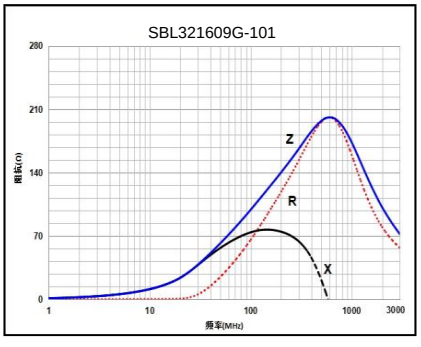


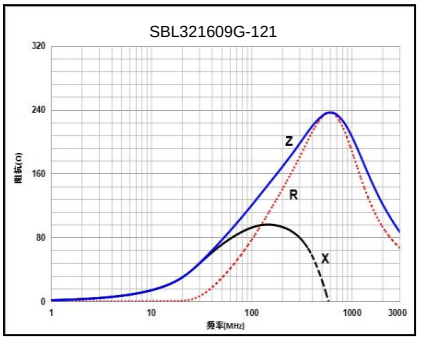






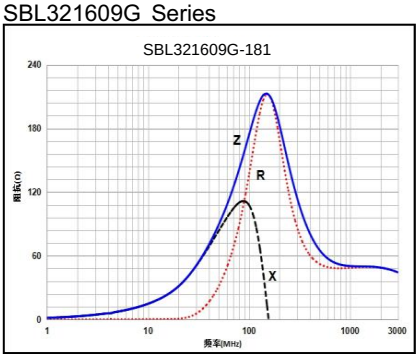


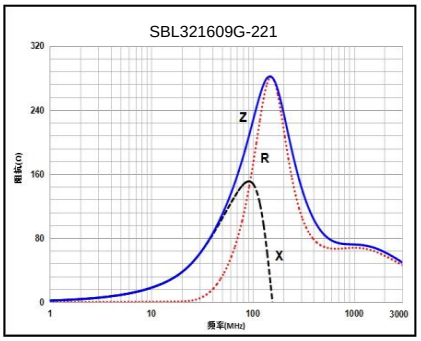


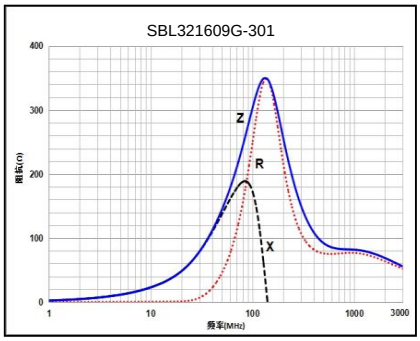


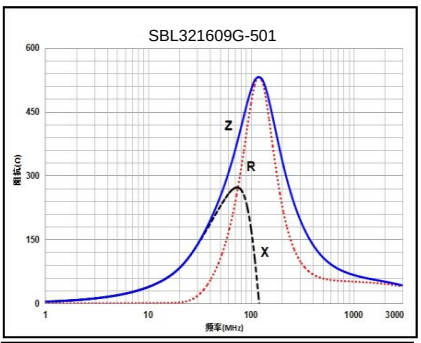
Impedance Frequency Characteristics 阻抗频率性能

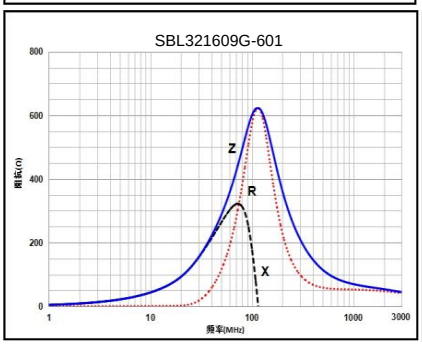
SBL321609G Series

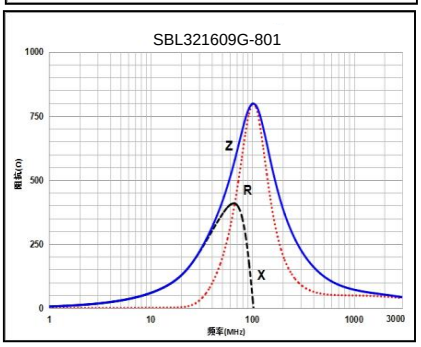


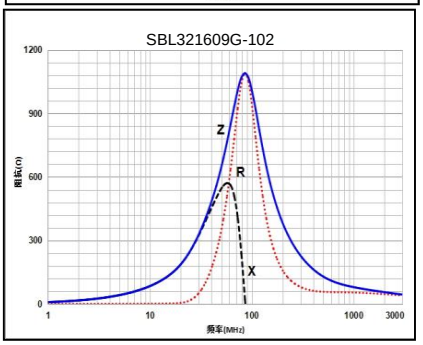




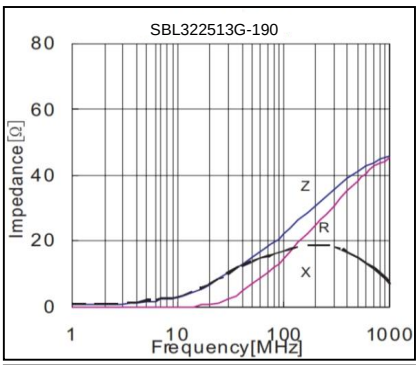


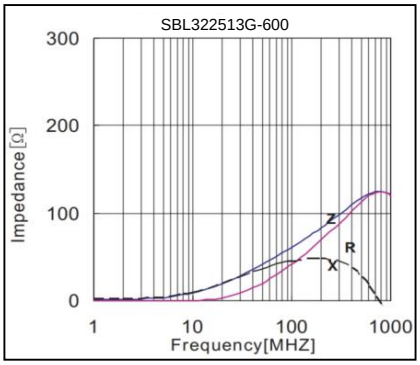


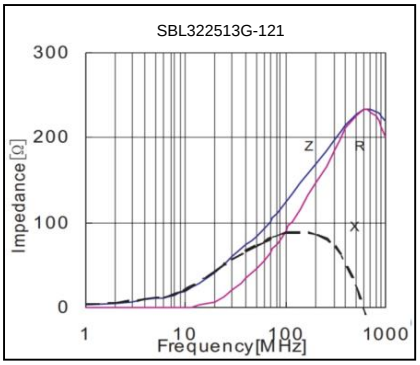


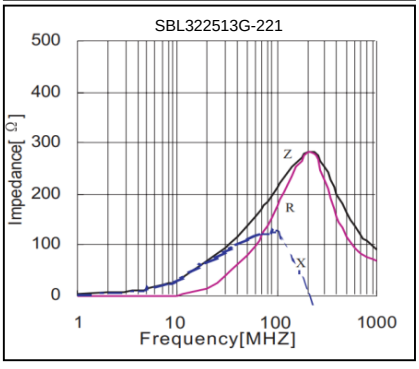


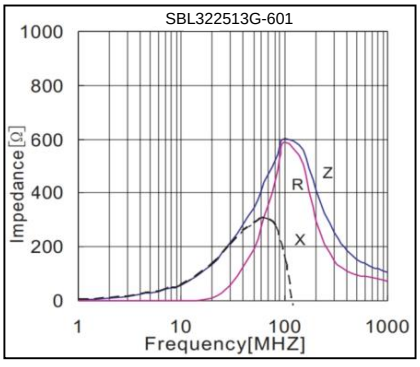
SBL322513G Series

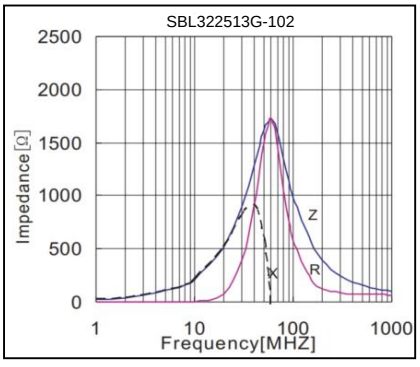






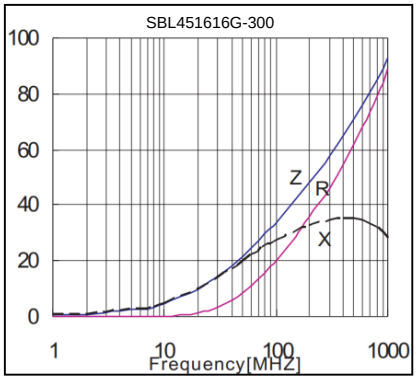


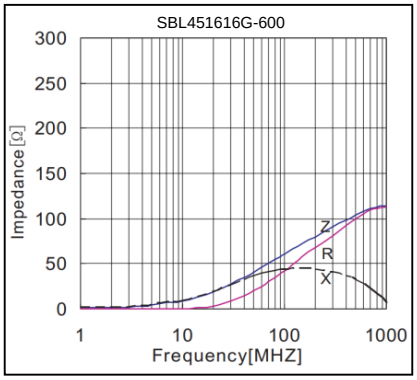


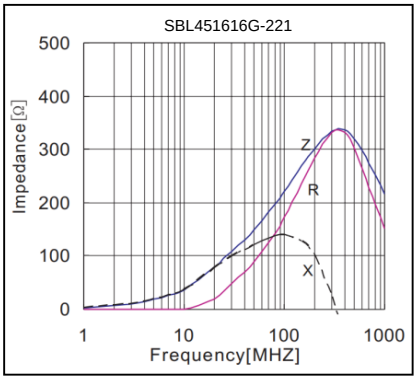


Impedance Frequency Characteristics 阻抗频率性能

SBL451616G Series







SBL453215G Series