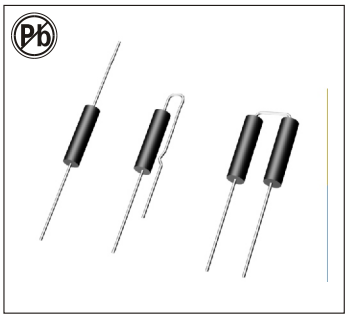
THROUGH-HOLE AXIAL FERRITE BEADS FOR EMI SUPPRESSION

RH SERIES



FEATURES:

- Ferrite Core
- Regged construction
- Counter measures for FCC,VDE
- CSA,CE,VCC1
- EMI/RFI suppression
- Small size 、Low Cost

OPTIONS:

- Packaging: Tape & Reel is Standard Bulk packaging available for smaller quantities

APPLICATIONS:

- Noise Filtering
- Amplifiers
- Switching Regulators
- Power Supplies
- Triac Control Circuits
- SCR Control Circuits

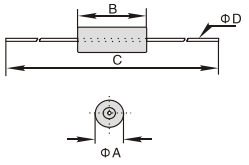
STANDARD SPECIFICATIONS

Part Number	Impedance @25MHz (Ω)Min	Impedance @100MHz (Ω)Min	A	B	C	D	L1-L2
RH-3530	25	40	3.5+/-0.2	3.0+/-0.3	62+/-2.0	0.6	1
RH-3545	30	60	3.5+/-0.2	4.5+/-0.3	62+/-2.0	0.6	1
RH-3547	35	60	3.5+/-0.2	4.7+/-0.3	62+/-2.0	0.6	1
RH-3560	50	75	3.5+/-0.2	6.0+/-0.3	62+/-2.0	0.6	1
RH-3575	60	90	3.5+/-0.2	7.5+/-0.3	62+/-2.0	0.6	1
RH-3580	60	100	3.5+/-0.2	8.0+/-0.3	62+/-2.0	0.6	1
RH-3590	80	120	3.5+/-0.2	9.0+/-0.3	62+/-2.0	0.6	1
RH-3512	30	130	3.5+/-0.2	12+/-0.3	62+/-2.0	0.6	1
RH-3514	50	150	3.5+/-0.2	14+/-0.3	62+/-2.0	0.6	1

Note:1. K=±10%,M=±20%

TECHNICAL INFORMATION: PHYSICAL CHARACTERISTICS:

DIMENSIONS in mm



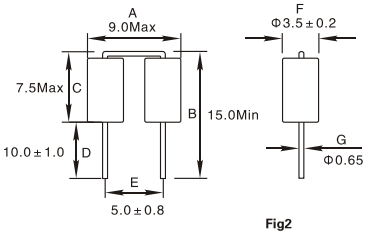


Fig2

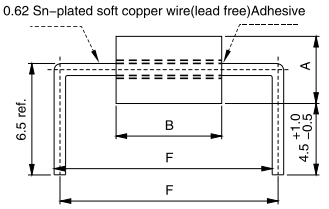


Fig3

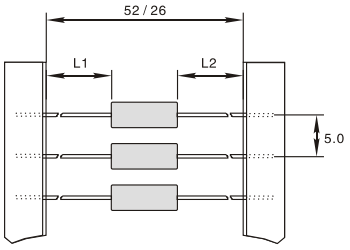


Fig1

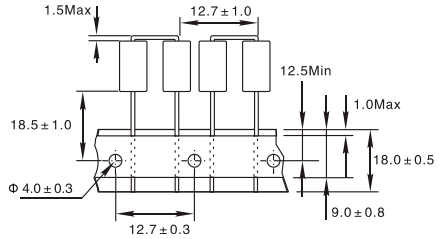


Fig4

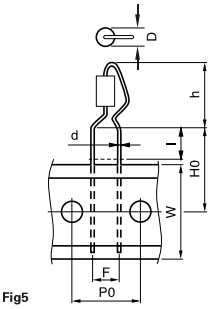


Fig5

Weight: 0.3g

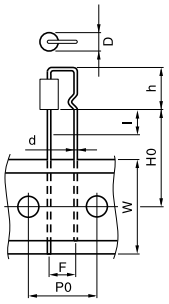


Fig6

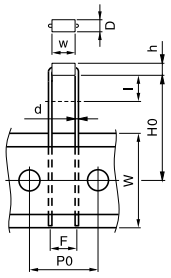


Fig7

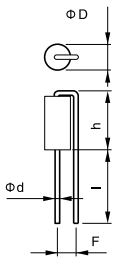


Fig8

- Impedance: HP4191A or HP4194A HP4395A
- Soldering Methods: Wave,Reflow
- Operating Temperature:-25℃ to +85℃
- Storage Temperature: -55℃ to +125℃
- Terminal bending strength:24.5N Min

Note: All specifications subject to change without notice.

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

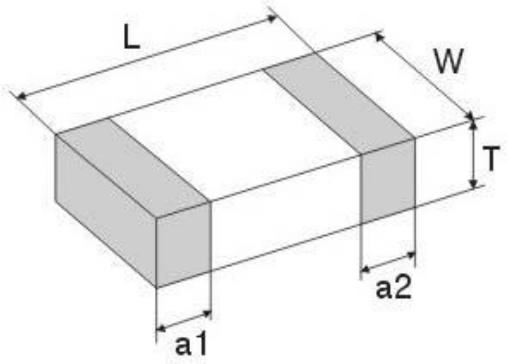
① Series name 系列名称

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

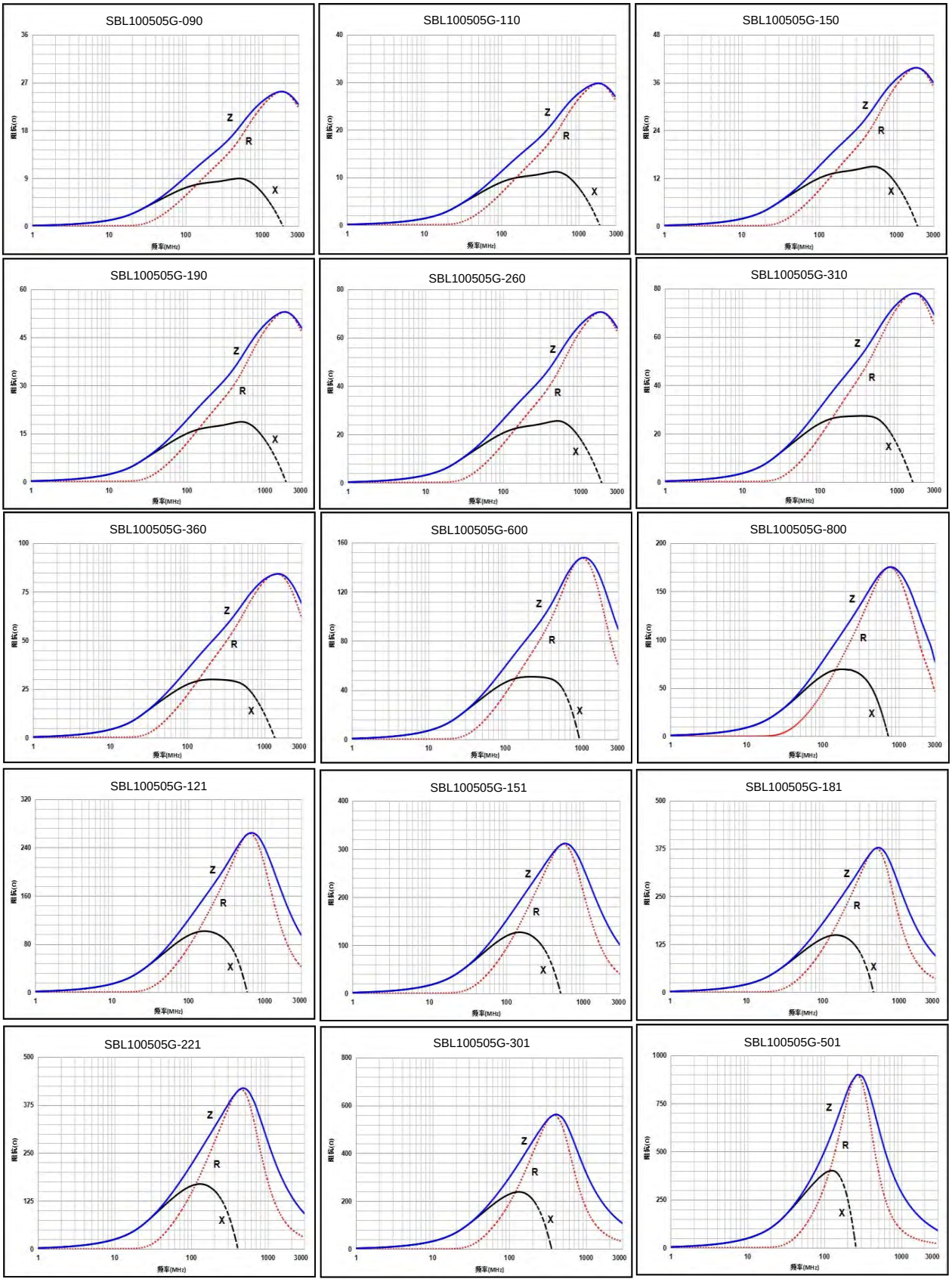
Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL451616G- 190	12~25	100	0.10	1000
SBL451616G- 260	26±25%	100	0.10	1000
SBL451616G- 310	31±25%	100	0.15	1000
SBL451616G- 600	60±25%	100	0.20	1000
SBL451616G- 750	75±25%	100	0.30	1000
SBL451616G- 800	80±25%	100	0.30	1000
SBL451616G- 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

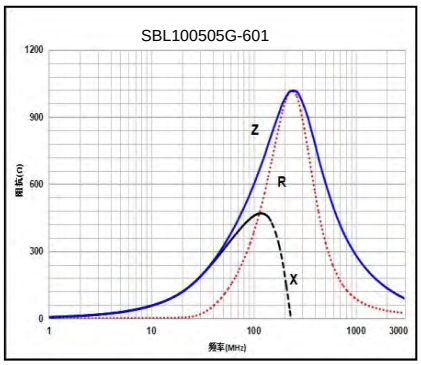
Impedance Frequency Characteristics 阻抗频率性能

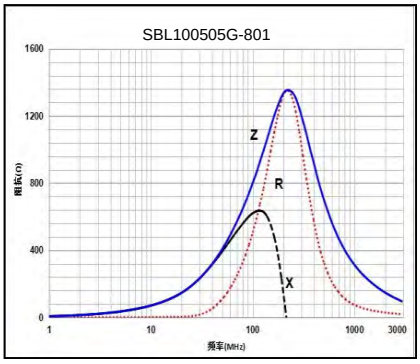
SBL100505G Series

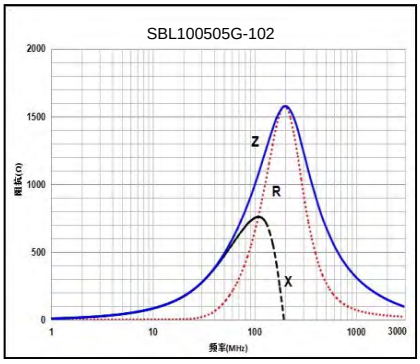


Impedance Frequency Characteristics 阻抗频率性能

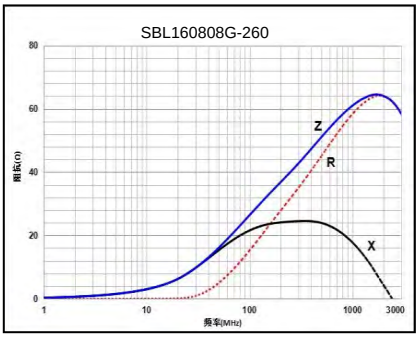
SBL100505G Series

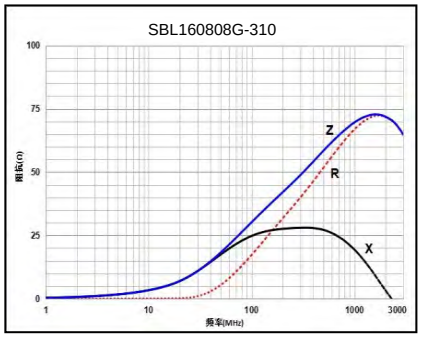


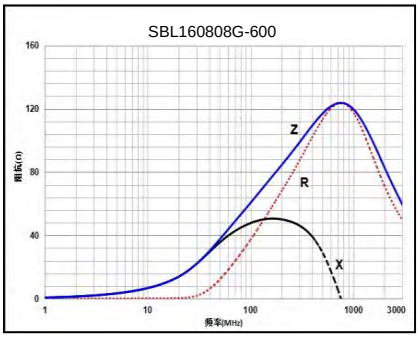


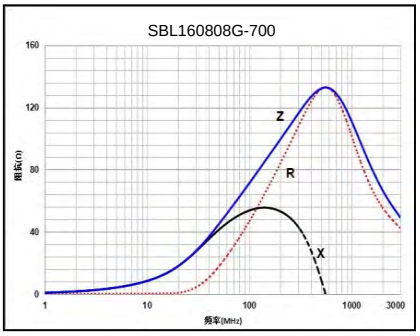


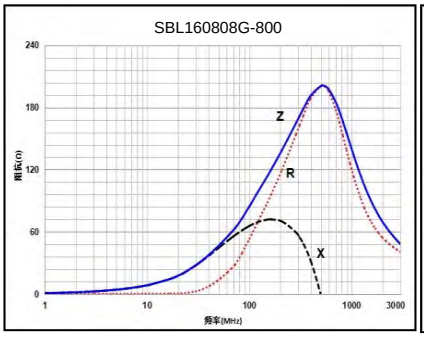
SBL160808G Series

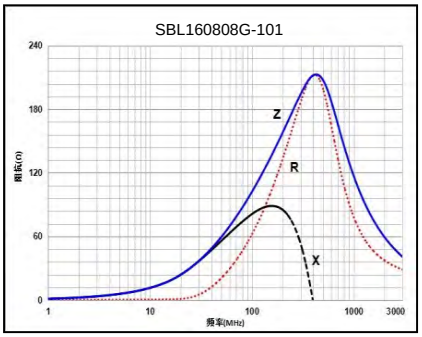


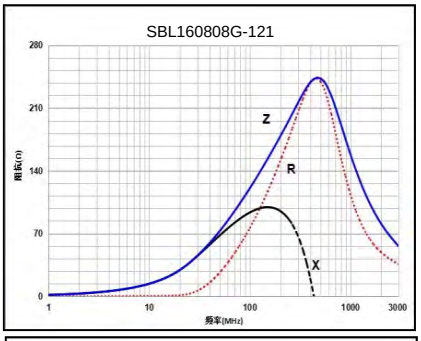


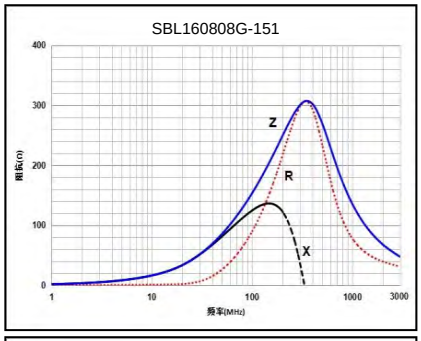


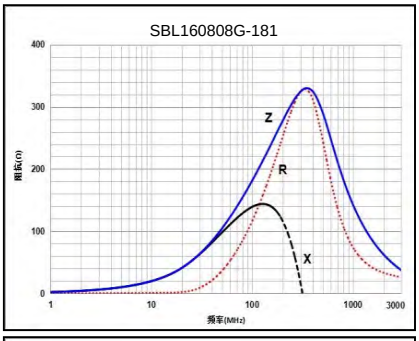


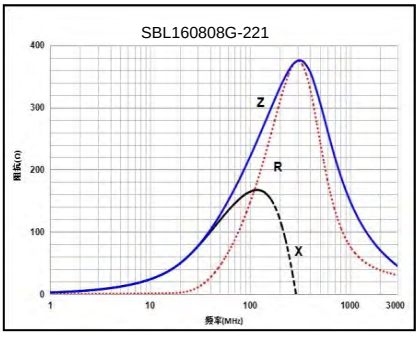


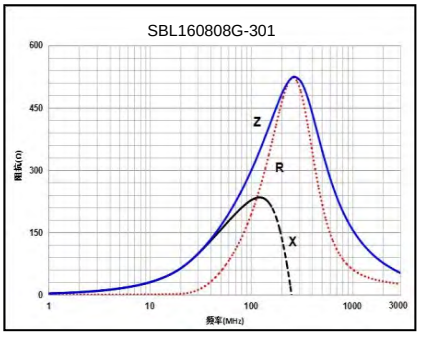


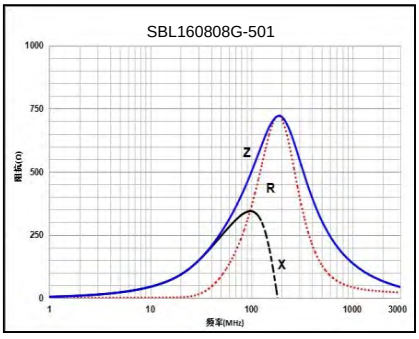






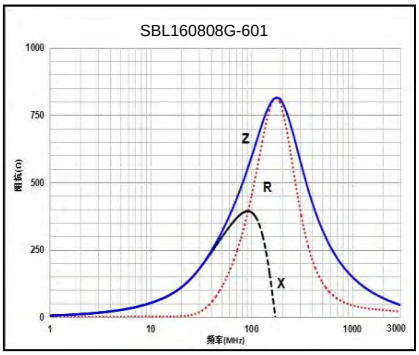


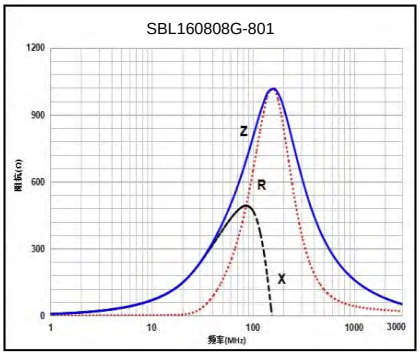


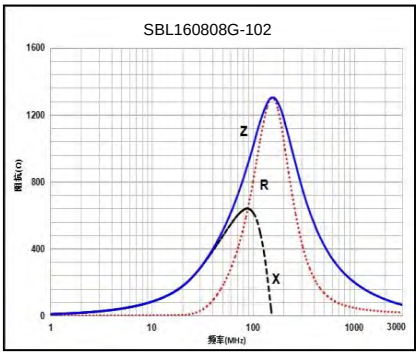


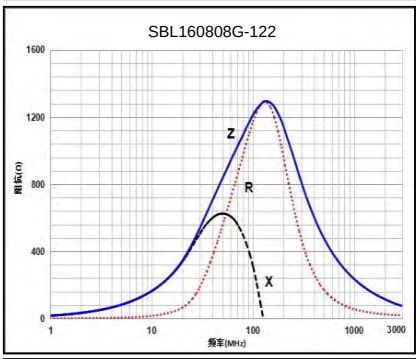
Impedance Frequency Characteristics 阻抗频率性能

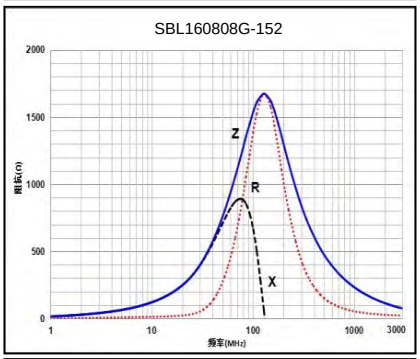
SBL160808G Series

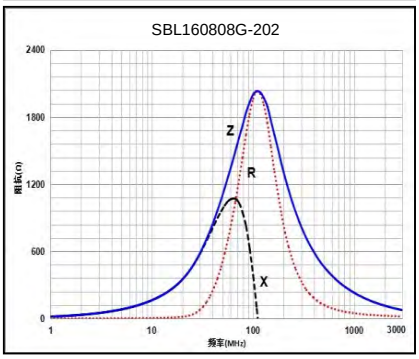


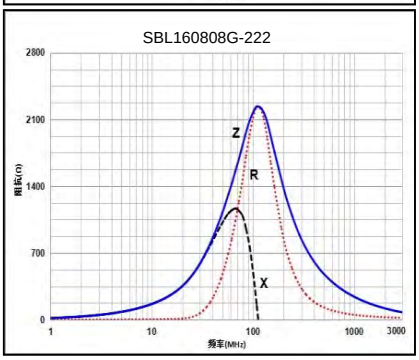


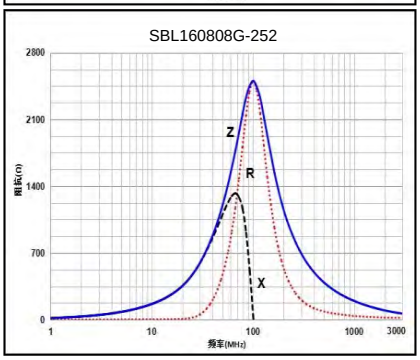




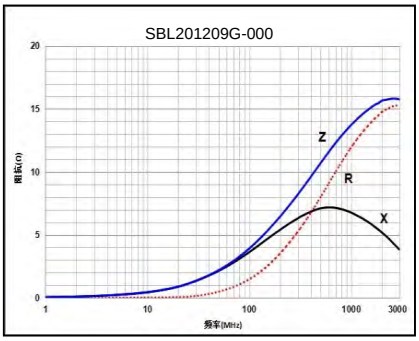


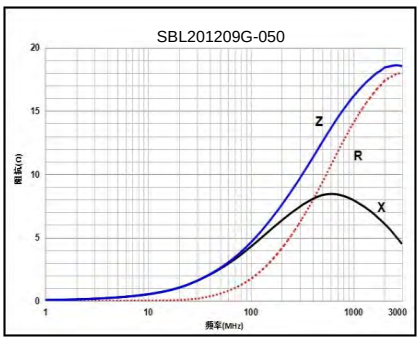


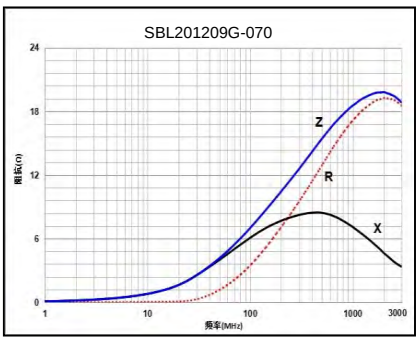


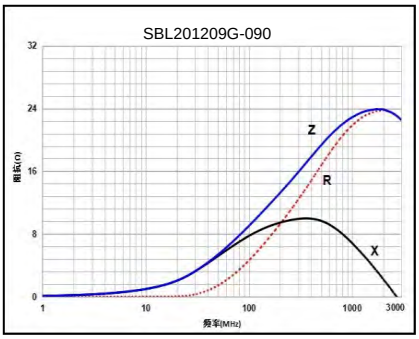


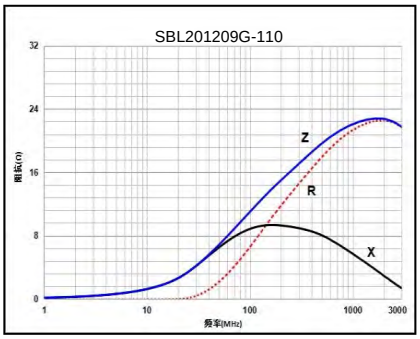
SBL201209G Series

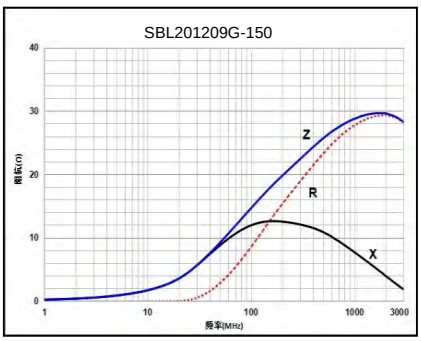






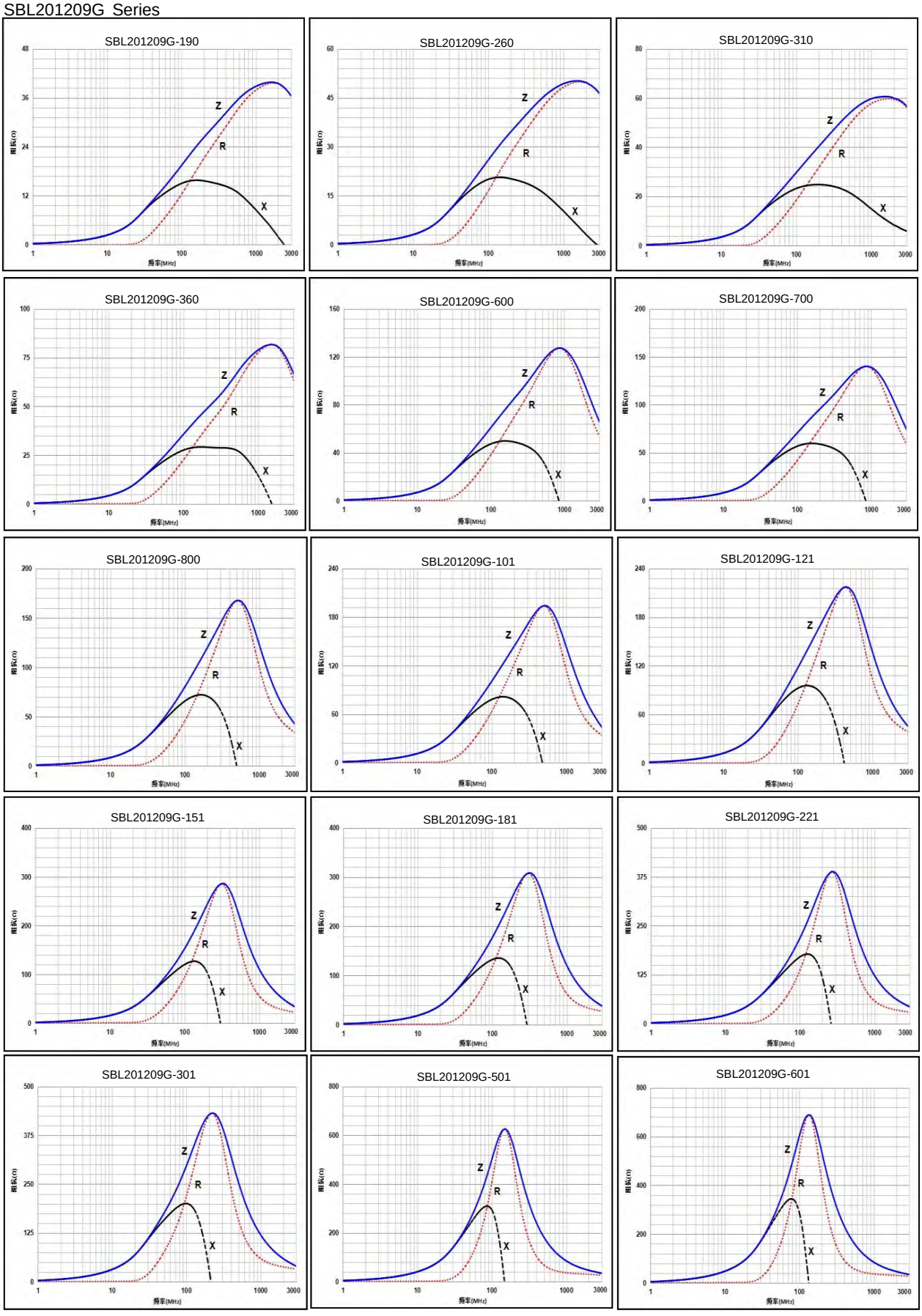






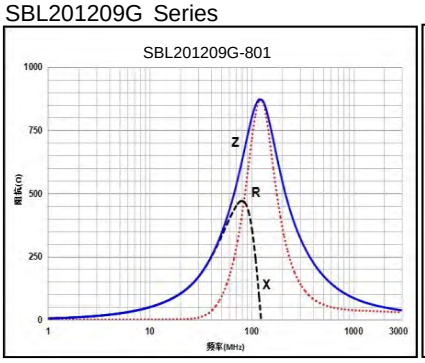
Impedance Frequency Characteristics 阻抗频率性能

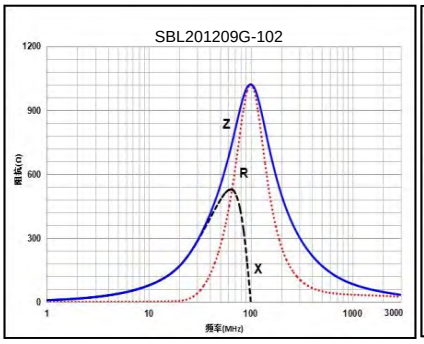
SBL201209G Series

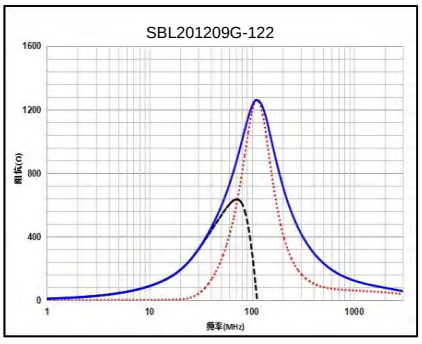


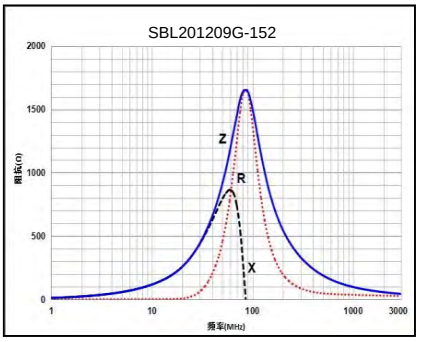
Impedance Frequency Characteristics 阻抗频率性能

SBL201209G Series

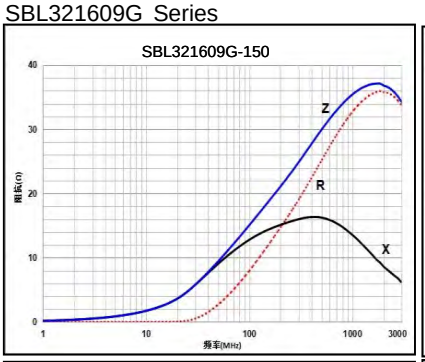


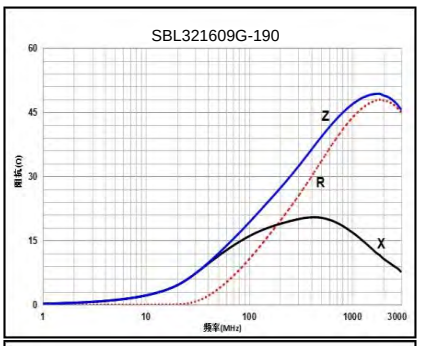


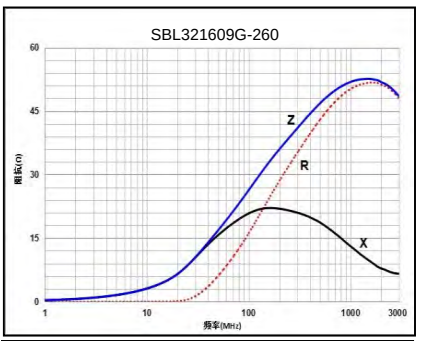


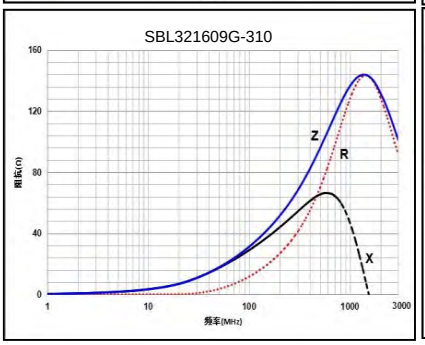


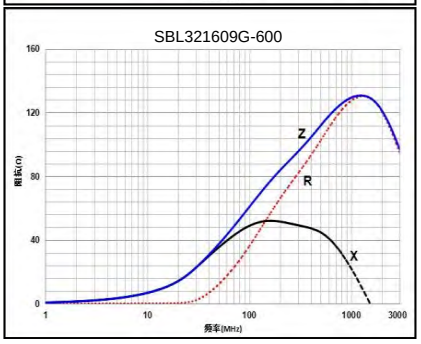
SBL321609G Series

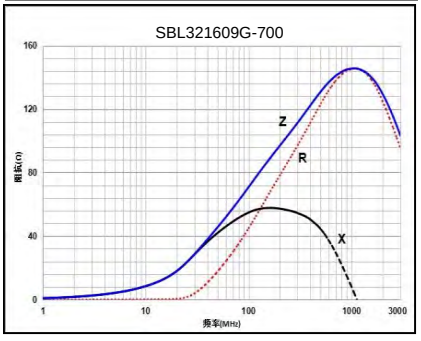


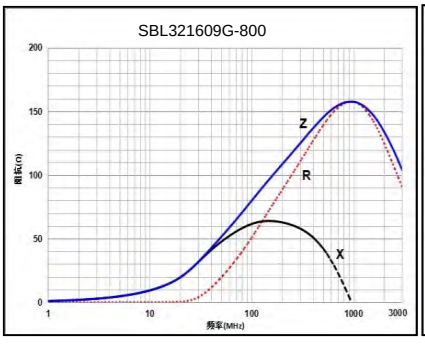


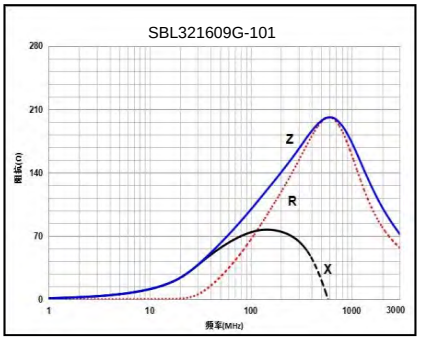


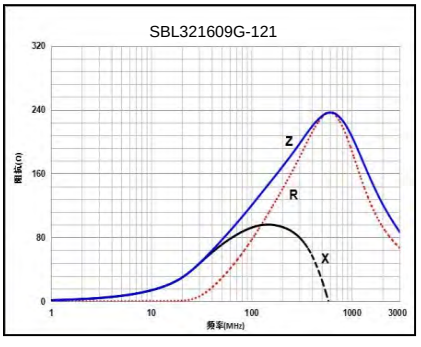






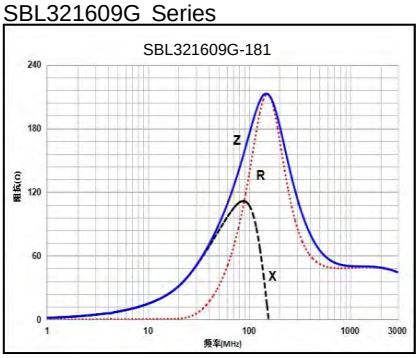


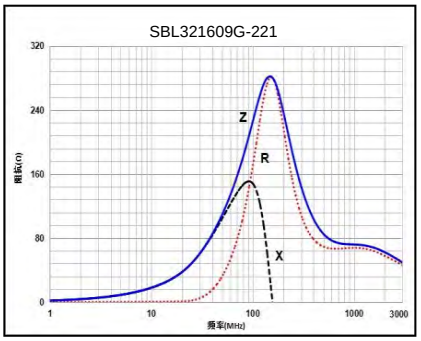


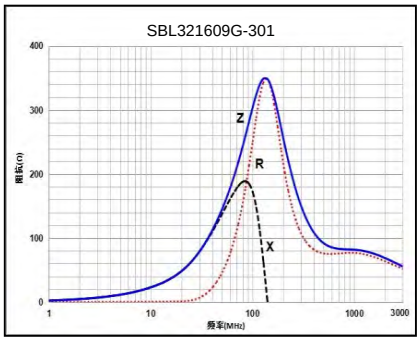


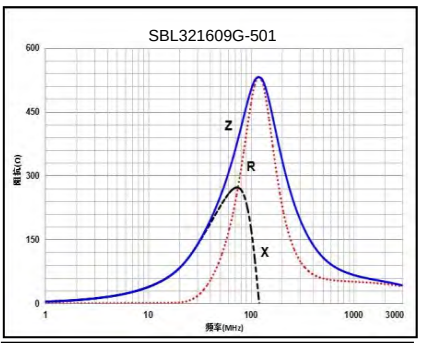
Impedance Frequency Characteristics 阻抗频率性能

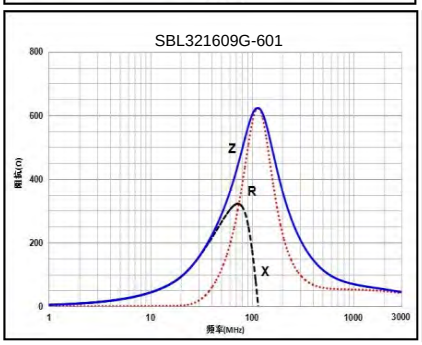
SBL321609G Series

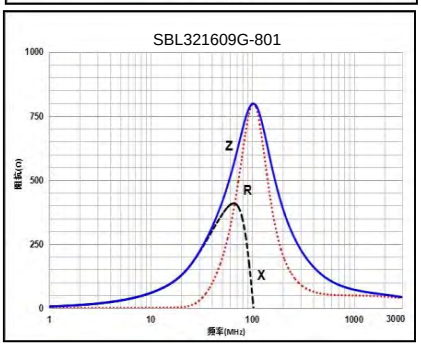


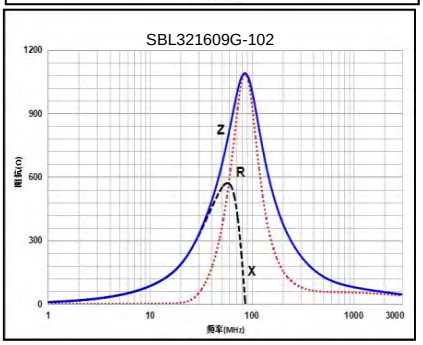




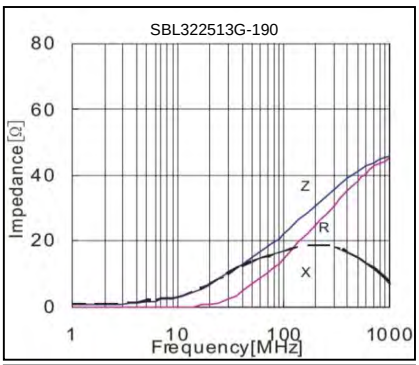


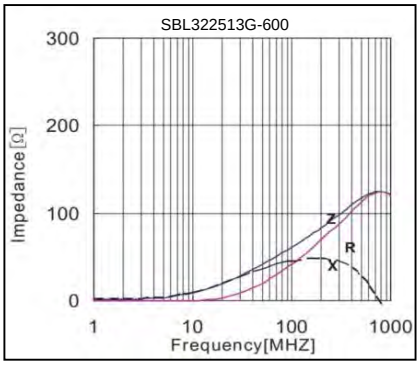


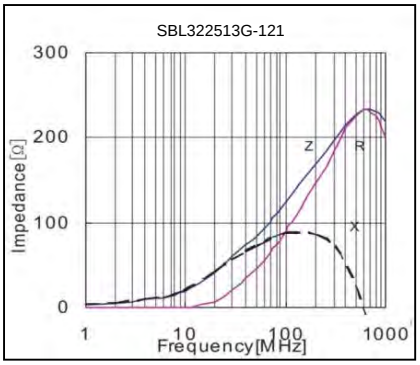


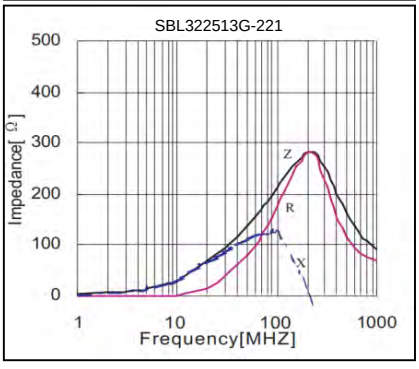


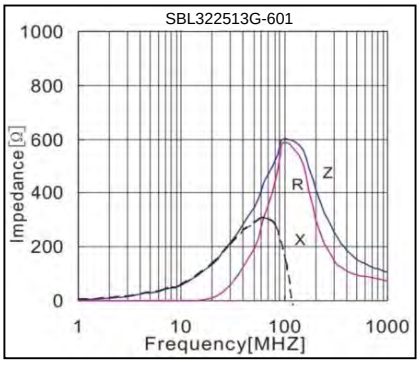
SBL322513G Series

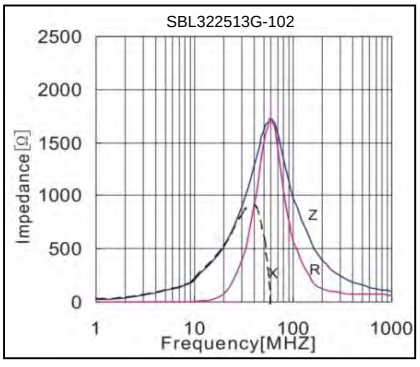






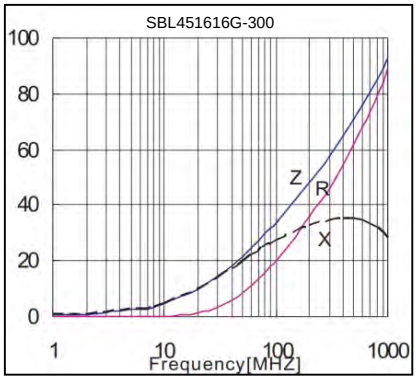


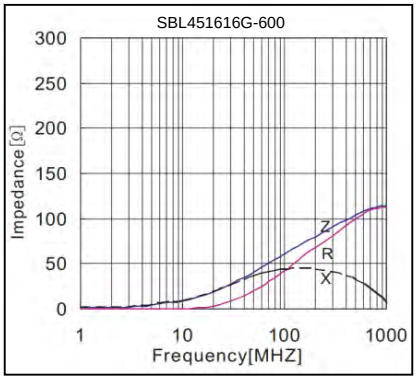


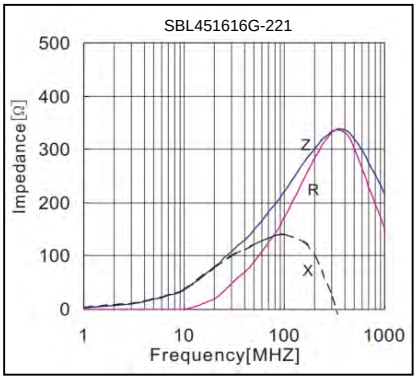


Impedance Frequency Characteristics 阻抗频率性能

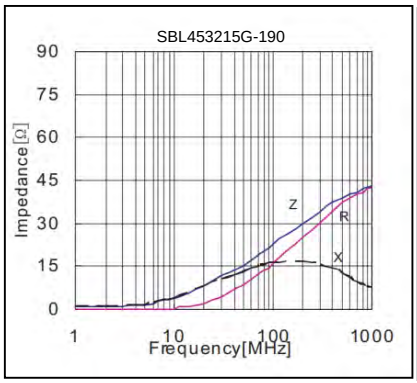
SBL451616G Series

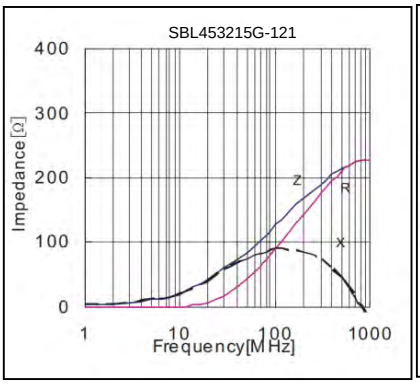


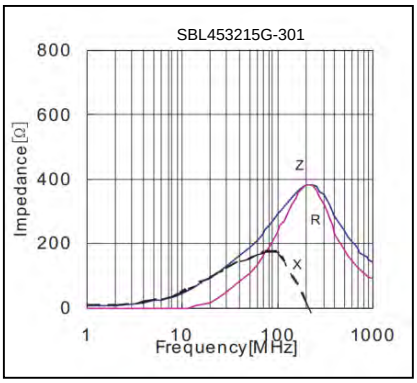




SBL453215G Series







Multilayer Chip High Frequency Bead SBLxxxxxxH Series

Features 特点

- Multilayer monolithic construction yields high reliability

  独石结构、高可靠性

- High frequency noise countermeasure

  对高频噪声有显著抑制

- Suitable for ultra high speed circuit

  应用于超高频电路

Applications 应用

- Computers, mobile communication system products 电脑，移动通讯系统
- Noise suppressing in ultra high speed circuit 超高速电路的噪声控制

Product Identification 产品标识

SBL 321609 H 121

① ② ③ ④

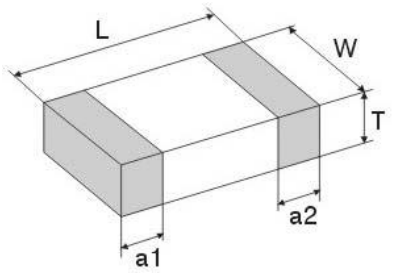
① Series name 系列名称

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 121=120Ω 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]

Electrical Characteristics 电气性能

SBL100505H Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL100505H- 310	31±25%	100	0.20	300
SBL100505H- 600	60±25%	100	0.35	200
SBL100505H- 800	80±25%	100	0.40	200
SBL100505H- 121	120±25%	100	0.50	150
SBL100505H- 181	180±25%	100	0.60	150
SBL100505H- 301	300±25%	100	0.80	100
SBL100505H- 501	500±25%	100	1.1	100
SBL100505H- 601	600±25%	100	1.3	100

SBL160808H Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL160808H- 000	0~15	100	0.15	600
SBL160808H- 050	0~15	100	0.15	600
SBL160808H- 070	0~11	100	0.15	600
SBL160808H- 090	5~13	100	0.15	500
SBL160808H- 110	7~15	100	0.15	500
SBL160808H- 150	9~21	100	0.15	500
SBL160808H- 190	12~25	100	0.15	500
SBL160808H- 310	31±25%	100	0.15	500
SBL160808H- 600	60±25%	100	0.15	500
SBL160808H- 800	80±25%	100	0.20	300
SBL160808H- 121	120±25%	100	0.20	200
SBL160808H- 151	150±25%	100	0.30	200
SBL160808H- 221	220±25%	100	0.40	200
SBL160808H- 301	300±25%	100	0.50	150
SBL160808H- 501	500±25%	100	0.60	100
SBL160808H- 601	600±25%	100	0.60	100
SBL160808H- 801	800±25%	100	0.70	100
SBL160808H- 102	1000±25%	100	0.90	100
SBL160808H- 122	1200±25%	100	0.90	100

Electrical Characteristics 电气性能

SBL201209H Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL201209- 000	0~15	100	0.15	1000
SBL201209- 050	0~15	100	0.15	1000
SBL201209- 070	0~11	100	0.15	1000
SBL201209- 090	5~13	100	0.15	1000
SBL201209- 110	7~15	100	0.15	1000
SBL201209- 150	9~21	100	0.15	1000
SBL201209- 190	12~25	100	0.15	1000
SBL201209- 260	26±25%	100	0.15	1000
SBL201209- 310	31±25%	100	0.15	1000
SBL201209- 700	70±25%	100	0.25	400
SBL201209- 800	80±25%	100	0.25	400
SBL201209- 121	120±25%	100	0.25	400
SBL201209- 151	150±25%	100	0.25	400
SBL201209- 221	220±25%	100	0.30	400
SBL201209- 301	300±25%	100	0.35	400
SBL201209- 501	500±25%	100	0.40	200
SBL201209- 601	600±25%	100	0.45	200
SBL201209- 801	800±25%	100	0.50	180
SBL201209- 102	1000±25%	100	0.60	180
SBL201209- 122	1200±25%	100	0.60	100

SBL321609H Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL321609H- 000	0~15	100	0.10	1000
SBL321609H- 050	0~15	100	0.10	1000
SBL321609H- 070	0~11	100	0.10	1000
SBL321609H- 090	5~13	100	0.10	1000
SBL321609H- 110	7~15	100	0.10	1000
SBL321609H- 150	9~21	100	0.10	1000
SBL321609H- 190	12~25	100	0.10	1000
SBL321609H- 260	26±25%	100	0.10	1000
SBL321609H- 310	31±25%	100	0.10	1000
SBL321609H- 600	60±25%	100	0.15	1000
SBL321609H- 700	70±25%	100	0.15	1000
SBL321609H- 800	80±25%	100	0.15	1000

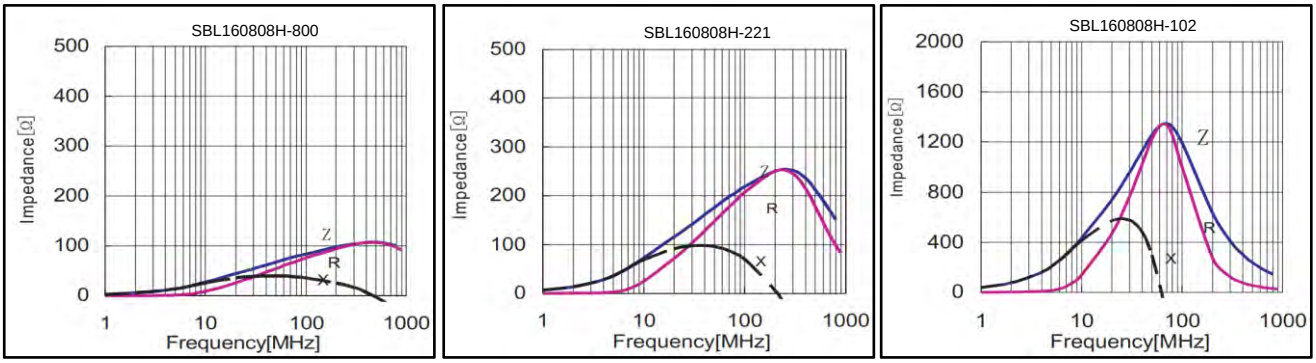
Electrical Characteristics 电气性能

SBL321609H Series

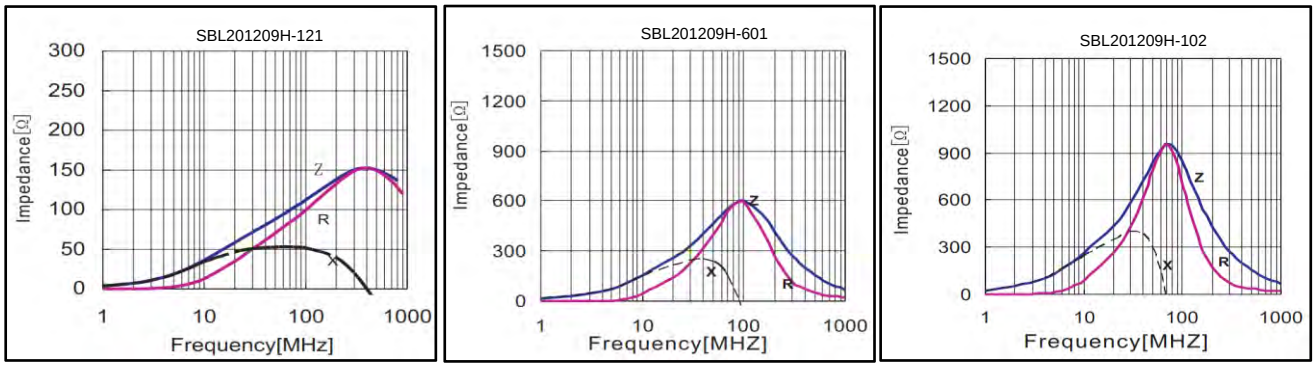
Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL321609H- 900	90±25%	100	0.15	1000
SBL321609H- 121	120±25%	100	0.20	1000
SBL321609H- 151	150±25%	100	0.25	300
SBL321609H- 221	220±25%	100	0.25	300
SBL321609H- 301	300±25%	100	0.25	300
SBL321609H- 501	500±25%	100	0.30	200
SBL321609H- 601	600±25%	100	0.35	200
SBL321609H- 801	800±25%	100	0.50	200

Impedance Frequency Characteristics 阻抗频率性能

SBL160808H Series



SBL201209H Series



Multilayer Chip Power Bead SBLxxxxxxM Series

Features 特点

- Multilayer monolithic construction yields high reliability

独石结构、高可靠性

- A unique terminal electrode structure ensures high permissible current, 6A max.

特别的设计可承受最大 6A 的电流

- High impedance over a vide frequency range

在较宽的频段具有高阻抗

Applications 应用

- Video equipment, audio equipment 视频音频设备
- Automotive electrical equipment 电气自动化设备
- Communication equipment 通讯设备
- OA equipment and other OA 设备及其它领域

Product Identification 产品标识

SBL 201209 M 121

① ② ③ ④

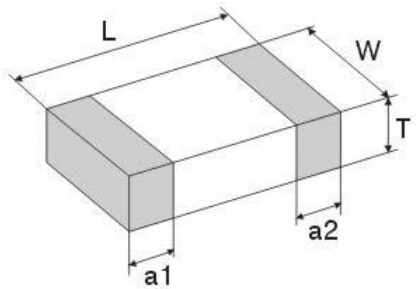
① Series name 系列名称

② Dimension 产品尺寸L×W×T：【201209: 2.0mm×1.2 mm×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

SBL100505M Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL100505M- 000	0~15	100	0.05	1800
SBL100505M- 050	0~15	100	0.05	1800
SBL100505M- 070	0~11	100	0.05	1800
SBL100505M- 090	5~13	100	0.05	1800
SBL100505M- 110	7~15	100	0.05	1800
SBL100505M- 150	9~21	100	0.05	1800
SBL100505M- 190	12~25	100	0.06	1500
SBL100505M- 300	30±25%	100	0.08	1300
SBL100505M- 600	60±25%	100	0.10	1000
SBL100505M- 121	120±25%	100	0.15	800
SBL100505M- 151	150±25%	100	0.20	700
SBL100505M- 201	200±25%	100	0.25	700
SBL100505M- 221	220±25%	100	0.30	600
SBL100505M- 301	300±25%	100	0.30	600
SBL100505M- 601	600±25%	100	0.50	500
SBL100505M- 801	800±25%	100	0.65	300

SBL160808M Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL160808M- 000	0~15	100	0.02	6000
SBL160808M- 050	0~15	100	0.02	6000
SBL160808M- 070	0~11	100	0.02	6000
SBL160808M- 090	5~13	100	0.02	6000
SBL160808M- 110	7~15	100	0.03	5000
SBL160808M- 150	9~21	100	0.03	5000
SBL160808M- 190	12~25	100	0.03	5000
SBL160808M- 300	30±25%	100	0.03	4000
SBL160808M- 600	60±25%	100	0.04	3000
SBL160808M- 101	100±25%	100	0.06	2500
SBL160808M- 121	120±25%	100	0.065	2000
SBL160808M- 181	180±25%	100	0.09	1500
SBL160808M- 221	220±25%	100	0.12	1500
SBL160808M- 301	300±25%	100	0.18	1500
SBL160808M- 501	500±25%	100	0.18	1200
SBL160808M- 601	600±25%	100	0.18	1200

Electrical Characteristics 电气性能

SBL201209M Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL201209M- 000	0~15	100	0.01	6000
SBL201209M- 050	0~15	100	0.01	6000
SBL201209M- 070	0~11	100	0.01	6000
SBL201209M- 090	5~13	100	0.01	6000
SBL201209M- 110	7~15	100	0.01	6000
SBL201209M- 150	9~21	100	0.01	6000
SBL201209M- 190	12~25	100	0.01	6000
SBL201209M- 300	30±25%	100	0.01	6000
SBL201209M- 600	60±25%	100	0.04	3500
SBL201209M- 800	80±25%	100	0.04	3000
SBL201209M- 121	120±25%	100	0.05	3000
SBL201209M- 181	180±25%	100	0.08	2500
SBL201209M- 221	220±25%	100	0.08	2500
SBL201209M- 301	300±25%	100	0.08	2500
SBL201209M- 601	600±25%	100	0.10	2000
SBL201209M- 102	1000±25%	100	0.12	1500

SBL321609M Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL321609M- 000	0~15	100	0.01	6000
SBL321609M- 050	0~15	100	0.01	6000
SBL321609M- 070	0~11	100	0.01	6000
SBL321609M- 090	5~13	100	0.015	6000
SBL321609M- 110	7~15	100	0.015	6000
SBL321609M- 150	9~21	100	0.015	6000
SBL321609M- 190	12~25	100	0.015	6000
SBL321609M- 260	26±25%	100	0.015	6000
SBL321609M- 280	28±25%	100	0.015	6000
SBL321609M- 300	30±25%	100	0.015	6000
SBL321609M- 310	31±25%	100	0.025	4000
SBL321609M- 500	50±25%	100	0.025	4000
SBL321609M- 600	60±25%	100	0.025	4000
SBL321609M- 700	70±25%	100	0.035	4000
SBL321609M- 800	80±25%	100	0.035	4000
SBL321609M- 121	120±25%	100	0.035	4000

Electrical Characteristics 电气性能

SBL321609M Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL321609M- 151	150±25%	100	0.045	3000
SBL321609M- 221	220±25%	100	0.055	3000
SBL321609M- 301	300±25%	100	0.065	2500
SBL321609M- 501	500±25%	100	0.085	2500
SBL321609M- 601	600±25%	100	0.10	2000
SBL321609M- 801	800±25%	100	0.11	2000
SBL321609M- 102	1000±25%	100	0.12	2000

SBL451616M Series

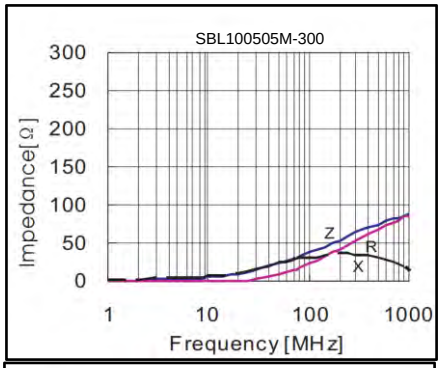
Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL451616M- 190	12~25	100	0.01	6000
SBL451616M- 260	26±25%	100	0.015	6000
SBL451616M- 310	31±25%	100	0.015	6000
SBL451616M- 600	60±25%	100	0.015	6000
SBL451616M- 750	75±25%	100	0.020	4000
SBL451616M- 800	80±25%	100	0.025	3000

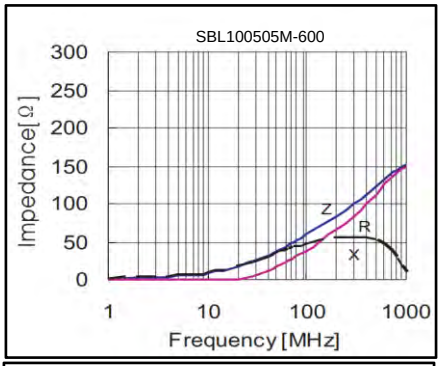
SBL453215M Series

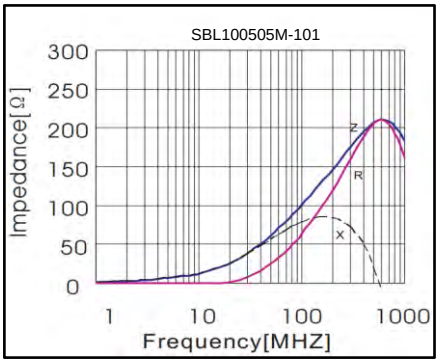
Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL453215M- 300	30±25%	100	0.01	6000
SBL453215M- 310	31±25%	100	0.01	6000
SBL453215M- 380	38±25%	100	0.01	6000
SBL453215M- 400	40±25%	100	0.01	6000
SBL453215M- 500	50±25%	100	0.01	6000
SBL453215M- 600	60±25%	100	0.01	6000
SBL453215M- 700	70±25%	100	0.01	6000
SBL453215M- 101	100±25%	100	0.02	6000
SBL453215M- 181	180±25%	100	0.02	6000
SBL453215M- 221	220±25%	100	0.02	6000

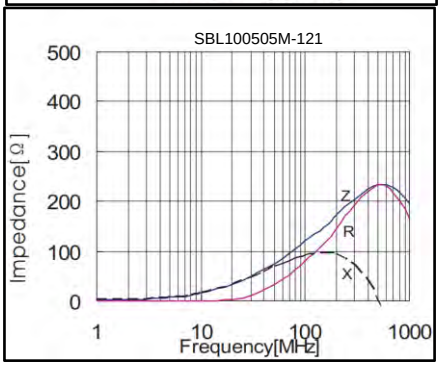
Impedance Frequency Characteristics 阻抗频率性能

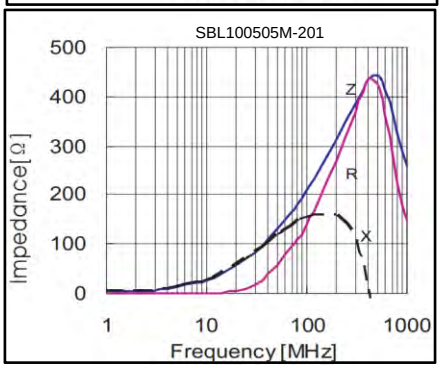
SBL100505M Series



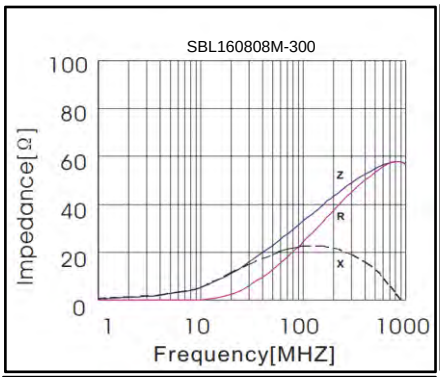


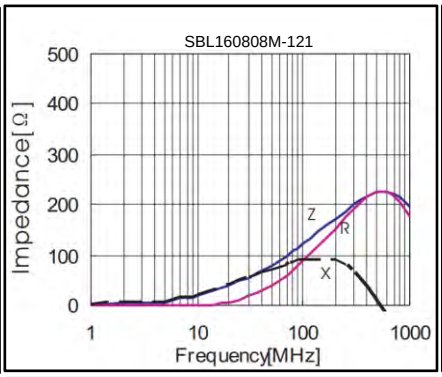


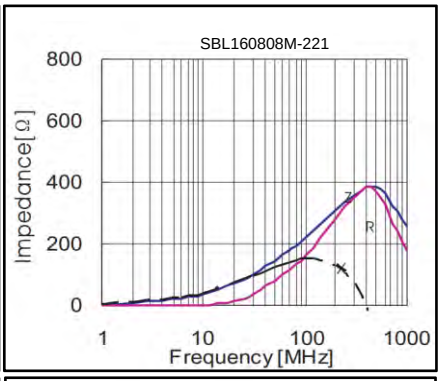


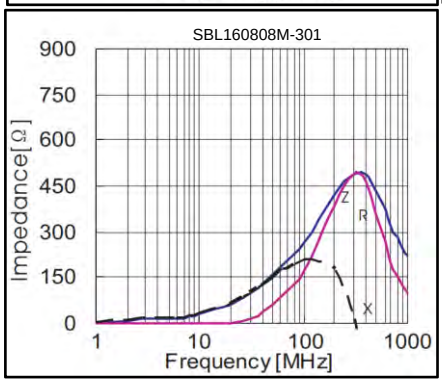


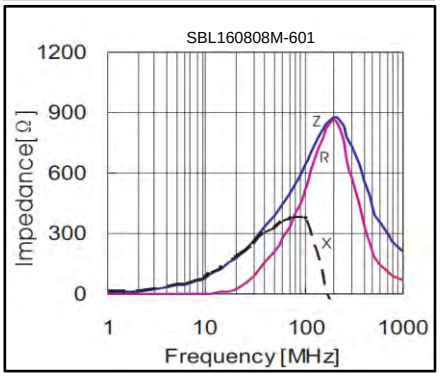
SBL160808M Series

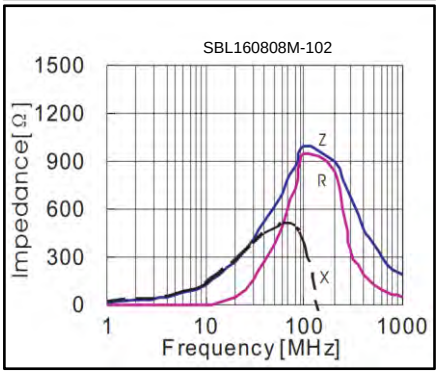






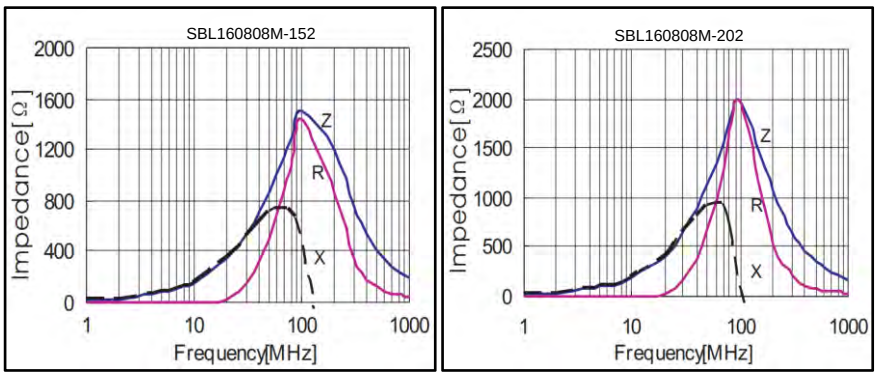




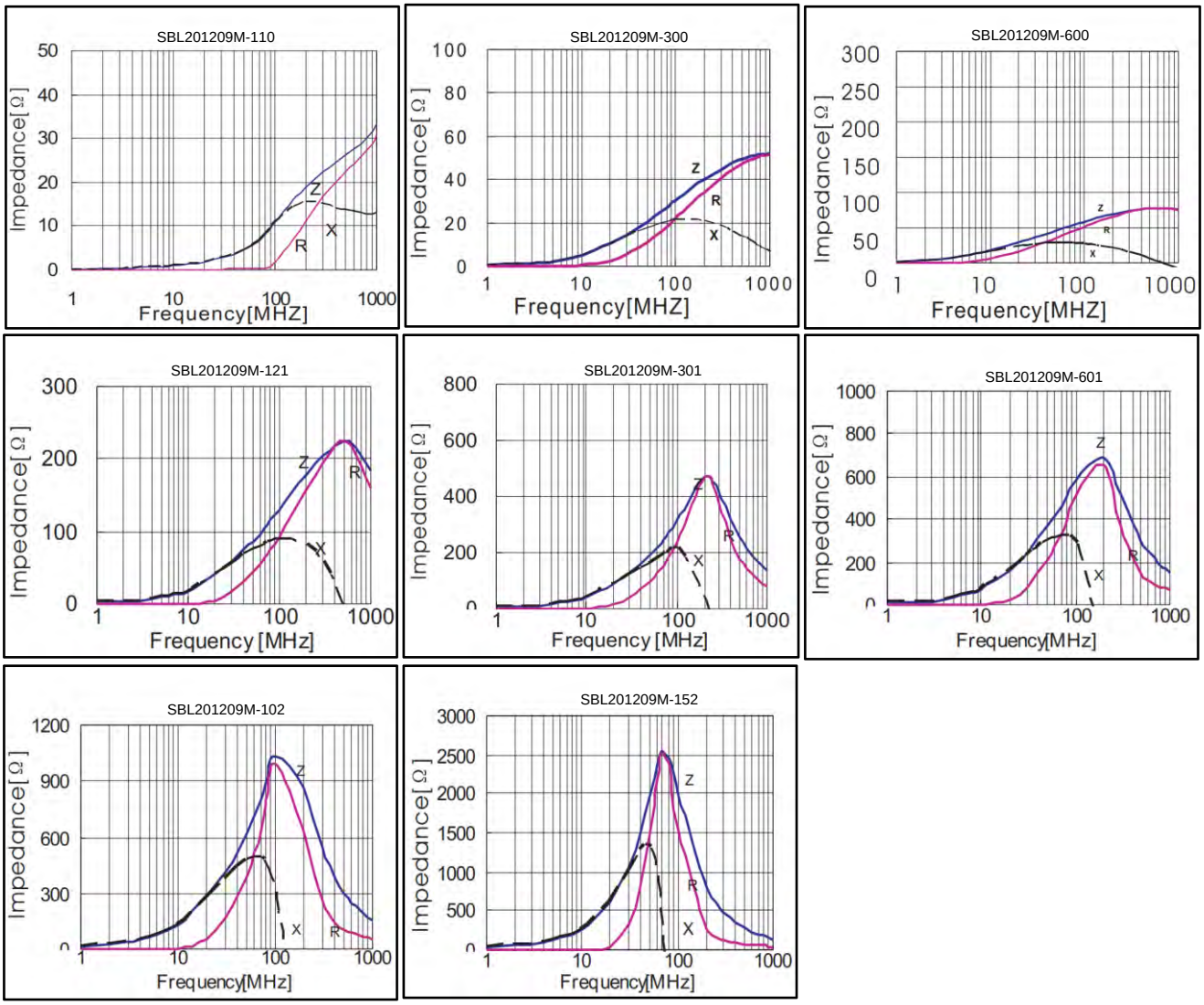


Impedance Frequency Characteristics 阻抗频率性能

SBL160808M Series



SBL201209M Series



Multilayer Chip Large Current Bead SBLxxxxxxW Series

Features 特点

- Multilayer monolithic construction yields high reliability

独石结构、高可靠性

- A unique terminal electrode structure ensures high

permissible current, 6A max.

特别的设计可承受最大 6A 的电流

- High impedance over a vide frequency range

在较宽的频段具有高阻抗

Applications 应用

- Video equipment, audio equipment 视频音频设备
- Automotive electrical equipment 电气自动化设备
- Communication equipment 通讯设备
- OA equipment and other OA 设备及其它领域

Product Identification 产品标识

SBL 201209 W 121

① ② ③ ④

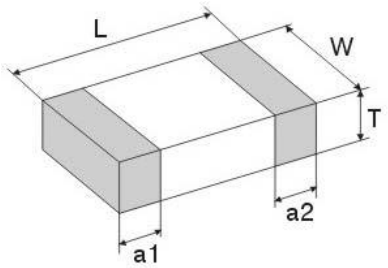
① Series name 系列名称

② Dimension 产品尺寸 L×W×T：【201209: 2.0mm×1.2 mm×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

SBL100505W Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL100505W- 000	0~15	100	0.04	800
SBL100505W- 050	0~15	100	0.04	800
SBL100505W- 070	0~11	100	0.04	800
SBL100505W- 090	5~13	100	0.04	800
SBL100505W- 110	7~15	100	0.04	800
SBL100505W- 150	9~21	100	0.04	800
SBL100505W- 190	12~25	100	0.06	700
SBL100505W- 260	26±25%	100	0.06	700
SBL100505W- 310	31±25%	100	0.08	700
SBL100505W- 360	36±25%	100	0.15	600
SBL100505W- 600	60±25%	100	0.15	600
SBL100505W- 800	80±25%	100	0.20	450
SBL100505W- 121	120±25%	100	0.25	450
SBL100505W- 151	150±25%	100	0.25	450
SBL100505W- 181	180±25%	100	0.40	300
SBL100505W- 221	220±25%	100	040	300
SBL100505W- 301	300±25%	100	0.50	300
SBL100505W- 501	500±25%	100	0.65	200
SBL100505W- 601	600±25%	100	0.70	200
SBL100505W- 801	800±25%	100	0.90	200
SBL100505W- 102	1000±25%	100	1.00	200

SBL160808W Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL160808W- 000	0~15	100	0.08	1000
SBL160808W- 050	0~15	100	0.08	1000
SBL160808W- 070	0~11	100	0.08	1000
SBL160808W- 090	5~13	100	0.08	1000
SBL160808W- 110	7~15	100	0.08	1000
SBL160808W- 150	9~21	100	0.08	1000
SBL160808W- 190	12~25	100	0.08	1000
SBL160808W- 260	26±25%	100	0.08	1000
SBL160808W- 300	30±25%	100	0.08	1000
SBL160808W- 310	31±25%	100	0.08	1000
SBL160808W- 600	60±25%	100	0.12	1000
SBL160808W- 800	80±25%	100	0.20	1000
SBL160808W- 101	100±25%	100	0.20	1000
SBL160808W- 121	120±25%	100	0.20	1000

Electrical Characteristics 电气性能

SBL160808W Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL160808W- 151	150±25%	100	0.25	1000
SBL160808W- 181	180±25%	100	0.25	1000
SBL160808W- 221	220±25%	100	0.30	1000
SBL160808W- 301	300±25%	100	0.30	1000
SBL160808W- 501	500±25%	100	0.40	1000
SBL160808W- 601	600±25%	100	0.40	1000
SBL160808W- 801	800±25%	100	0.55	500
SBL160808W- 102	1000±25%	100	0.55	500
SBL160808W- 122	1200±25%	100	0.65	500
SBL160808W- 152	1500±25%	100	0.75	400
SBL160808W- 182	1800±25%	100	0.75	400
SBL160808W- 202	2000±25%	100	0.90	400

SBL201209W Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL201209W- 000	0~15	100	0.03	3000
SBL201209W- 050	0~15	100	0.03	3000
SBL201209W- 070	0~11	100	0.03	3000
SBL201209W- 090	5~13	100	0.03	3000
SBL201209W- 110	7~15	100	0.03	3000
SBL201209W- 150	9~21	100	0.03	3000
SBL201209W- 190	12~25	100	0.03	3000
SBL201209W- 300	30±25%	100	0.05	3000
SBL201209W- 310	31±25%	100	0.05	3000
SBL201209W- 360	36±25%	100	0.06	3000
SBL201209W- 600	60±25%	100	0.06	3000
SBL201209W- 800	80±25%	100	0.08	2500
SBL201209W- 101	100±25%	100	0.10	2500
SBL201209W- 121	120±25%	100	0.10	2000
SBL201209W- 151	150±25%	100	0.10	2000
SBL201209W- 181	180±25%	100	0.15	2000
SBL201209W- 201	200±25%	100	0.15	2000
SBL201209W- 221	220±25%	100	0.15	2000
SBL201209W- 301	300±25%	100	0.20	2000
SBL201209W- 501	500±25%	100	0.25	1500
SBL201209W- 601	600±25%	100	0.25	1500
SBL201209W- 801	800±25%	100	0.30	800
SBL201209W- 102	1000±25%	100	0.30	800
SBL201209W- 122	1200±25%	100	0.45	500
SBL201209W- 252	2500±25%	50	0.60	100

Electrical Characteristics 电气性能

SBL321609W Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL321609W- 000	0~15	100	0.04	4000
SBL321609W- 050	0~15	100	0.04	4000
SBL321609W- 070	0~11	100	0.04	4000
SBL321609W- 090	5~13	100	0.05	4000
SBL321609W- 110	7~15	100	0.05	4000
SBL321609W- 150	9~21	100	0.05	3000
SBL321609W- 190	12~25	100	0.05	3000
SBL321609W- 000	26±25%	100	0.05	3000
SBL321609W- 050	28±25%	100	0.05	3000
SBL321609W- 070	30±25%	100	0.07	3000
SBL321609W- 090	31±25%	100	0.08	3000
SBL321609W- 110	50±25%	100	0.10	3000
SBL321609W- 150	60±25%	100	0.10	3000
SBL321609W- 190	70±25%	100	0.10	3000
SBL321609W- 000	80±25%	100	0.10	3000
SBL321609W- 050	100±25%	100	0.10	3000
SBL321609W- 070	120±25%	100	0.10	3000
SBL321609W- 090	150±25%	100	0.15	2500
SBL321609W- 110	180±25%	100	0.20	2500
SBL321609W- 150	220±25%	100	0.20	2500
SBL321609W- 190	300±25%	100	0.20	2000
SBL321609W- 000	500±25%	100	0.20	2000
SBL321609W- 050	600±25%	100	0.25	2000
SBL321609W- 070	800±25%	100	0.25	2000
SBL321609W- 090	1000±25%	100	0.30	2000
SBL321609W- 110	1200±25%	100	0.35	1000
SBL321609W- 150	1500±25%	50	0.45	500
SBL321609W- 190	1800±25%	50	0.60	500
SBL321609W- 190	2000±25%	50	0.70	300

SBL322513W Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL322513W- 110	7~15	100	0.05	5000
SBL322513W- 190	12~25	100	0.05	5000
SBL322513W- 260	26±25%	100	0.05	5000
SBL322513W- 310	31±25%	100	0.05	5000
SBL322513W- 600	60±25%	100	0.06	4000
SBL322513W- 700	70±25%	100	0.08	3000
SBL322513W- 800	80±25%	100	0.08	3000
SBL322513W- 900	90±25%	100	0.08	3000
SBL322513W- 121	120±25%	100	0.10	3000
SBL322513W- 151	150±25%	100	0.10	3000

Electrical Characteristics 电气性能

SBL322513W Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL322513W- 181	180±25%	100	0.15	3000
SBL322513W- 221	220±25%	100	0.15	3000
SBL322513W- 301	300±25%	100	0.15	3000
SBL322513W- 501	500±25%	100	0.15	2000
SBL322513W- 601	600±25%	100	0.20	2000
SBL322513W- 801	800±25%	100	0.25	2000
SBL322513W- 102	1000±25%	100	0.30	2000

SBL451616W Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL451616W- 190	12~25	100	0.015	6000
SBL451616W- 260	26±25%	100	0.05	3000
SBL451616W- 310	31±25%	100	0.05	3000
SBL451616W- 600	60±25%	100	0.06	3000
SBL451616W- 750	75±25%	100	0.06	3000
SBL451616W- 800	80±25%	100	0.08	3000
SBL451616W- 900	90±25%	100	0.10	3000
SBL451616W- 121	120±25%	100	0.10	3000
SBL451616W- 151	150±25%	100	0.10	3000
SBL451616W- 221	220±25%	100	0.15	2000
SBL451616W- 301	300±25%	100	0.20	2000
SBL451616W- 501	500±25%	100	0.25	1000
SBL451616W- 601	600±25%	100	0.30	1000

SBL453215W Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL453215W- 300	30±25%	100	0.06	5000
SBL453215W- 310	31±25%	100	0.06	5000
SBL453215W- 380	38±25%	100	0.06	5000
SBL453215W- 400	40±25%	100	0.06	4000
SBL453215W- 500	50±25%	100	0.06	4000
SBL453215W- 600	60±25%	100	0.06	4000
SBL453215W- 700	70±25%	100	0.06	4000
SBL453215W- 800	80±25%	100	0.08	4000
SBL453215W- 900	90±25%	100	0.08	4000
SBL453215W- 101	100±25%	100	0.08	4000
SBL453215W- 121	120±25%	100	0.08	4000
SBL453215W- 151	150±25%	100	0.10	3000
SBL453215W- 181	180±25%	100	0.12	3000
SBL453215W- 201	200±25%	100	0.12	3000
SBL453215W- 221	220±25%	100	0.15	2000

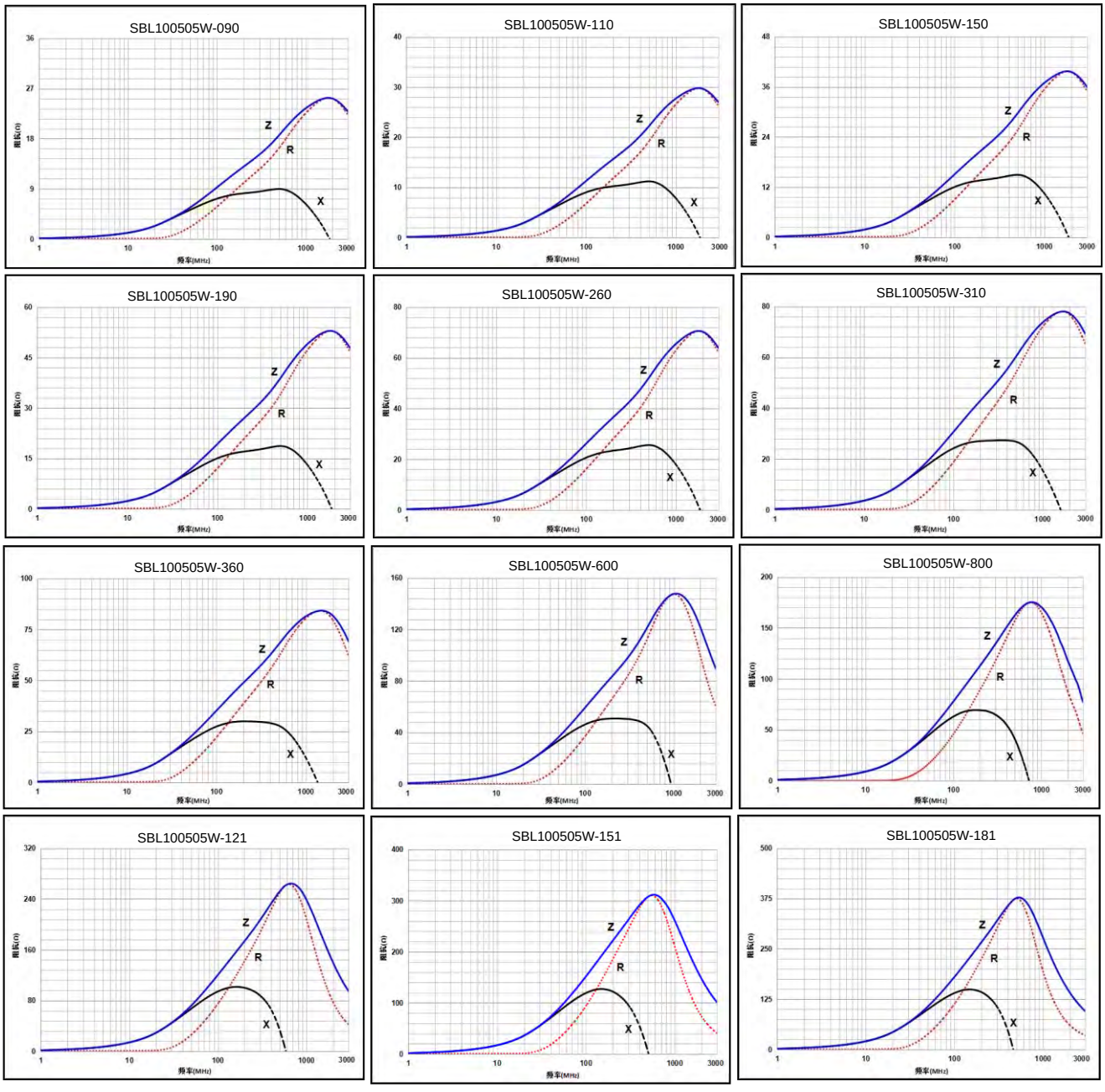
Electrical Characteristics 电气性能

SBL453215W Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL453215W- 301	300±25%	100	0.15	2000
SBL453215W- 401	400±25%	100	0.20	1000
SBL453215W- 501	500±25%	100	0.20	1000
SBL453215W- 601	600±25%	100	0.25	1000
SBL453215W- 801	800±25%	100	0.30	1000
SBL453215W-102	1000±25%	100	0.35	800

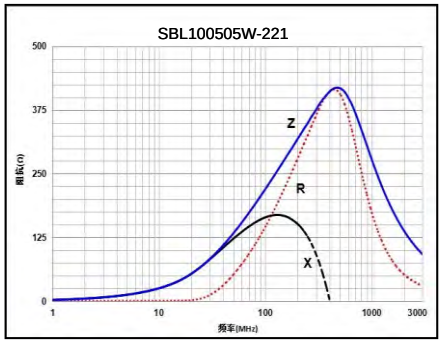
Impedance Frequency Characteristics 阻抗频率性能

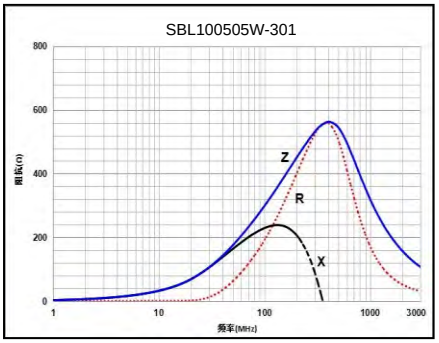
SBL100505W Series

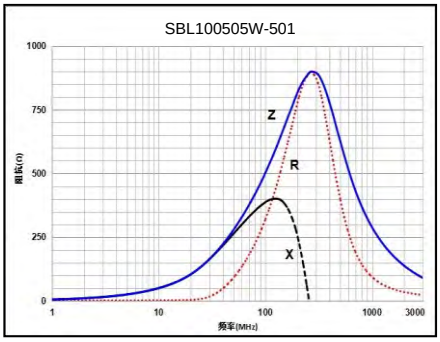


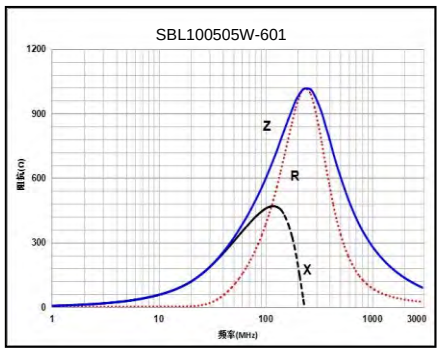
Impedance Frequency Characteristics 阻抗频率性能

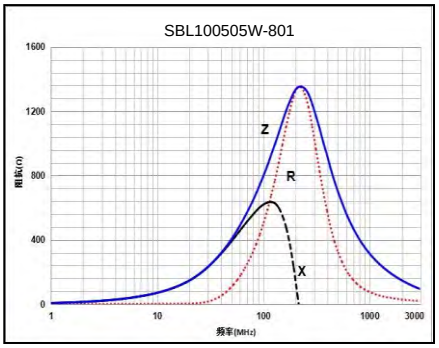
SBL100505W Series

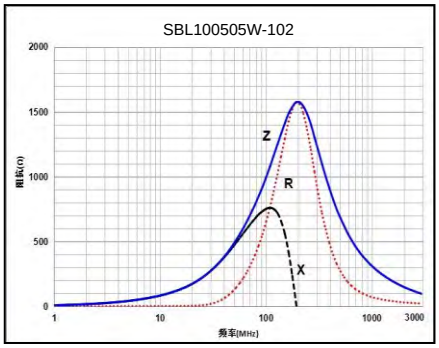




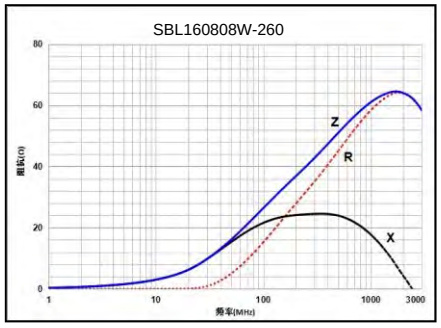


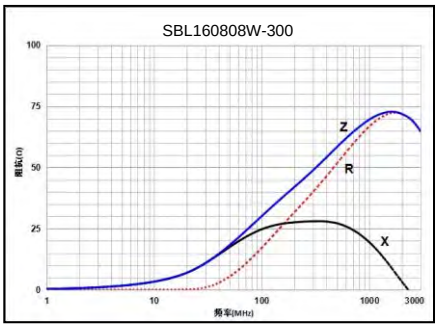


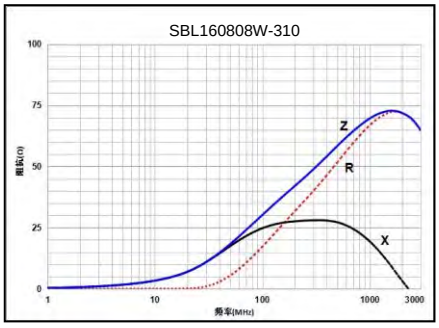


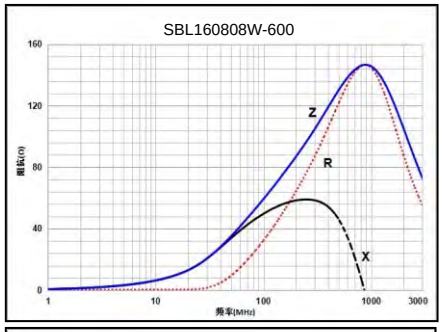


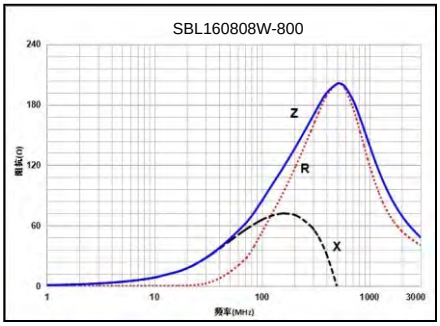
SBL160808W Series

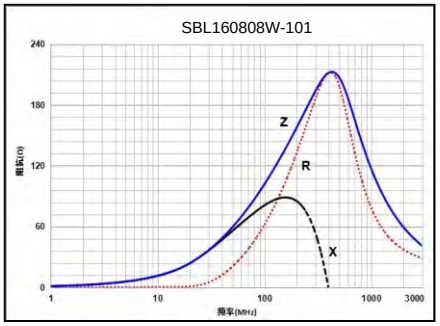


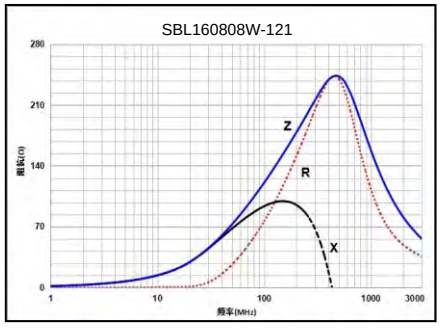


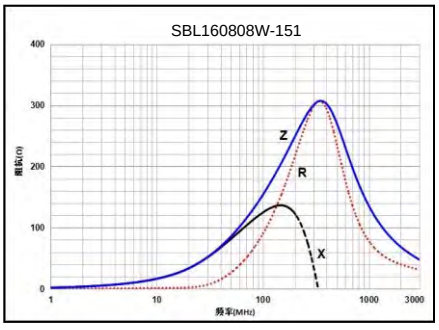


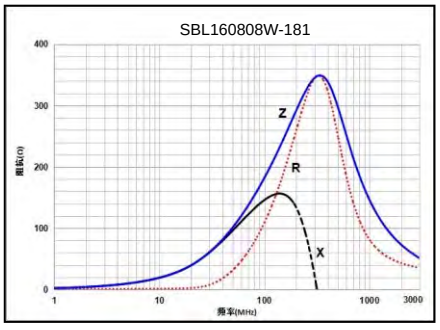






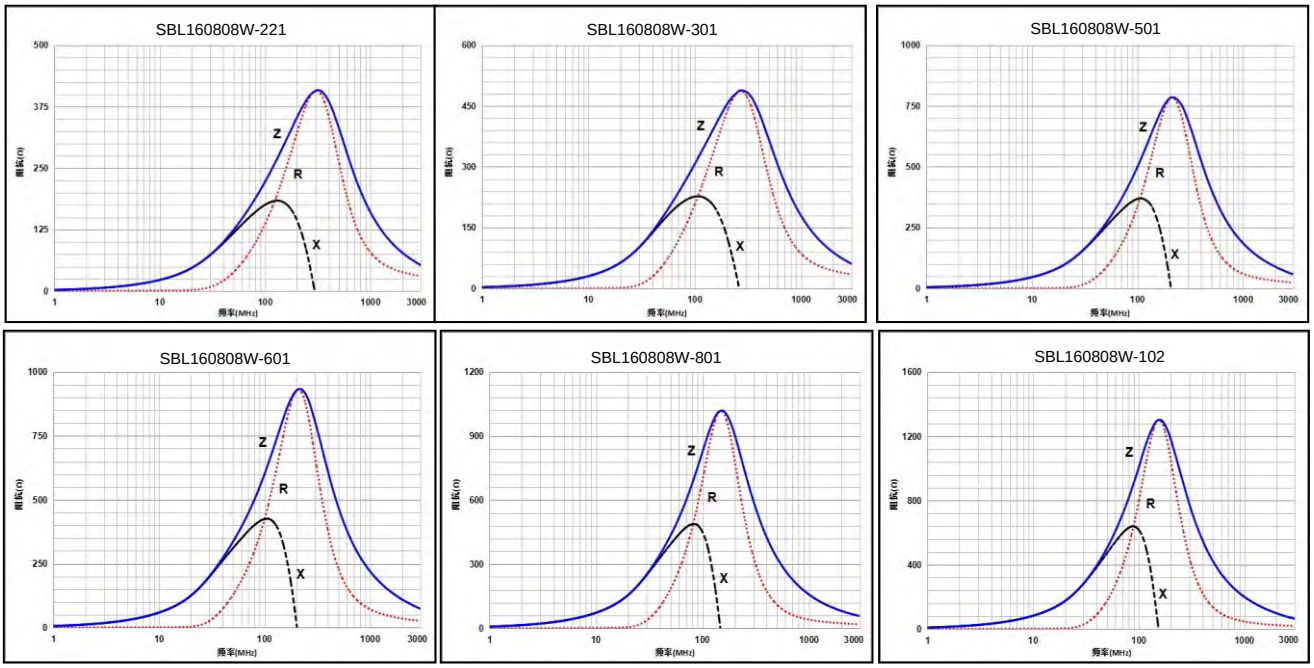




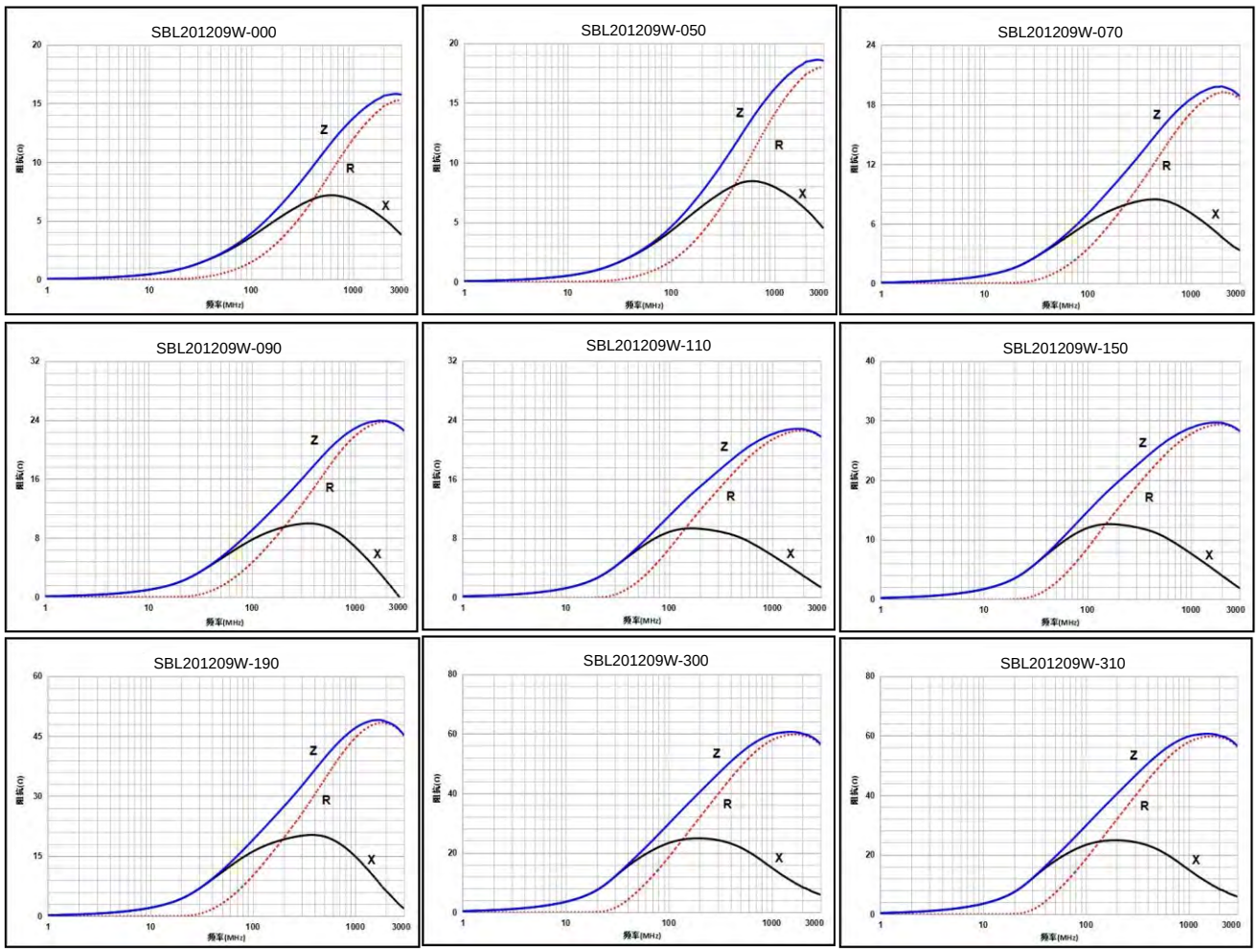


Impedance Frequency Characteristics 阻抗频率性能

SBL160808W Series

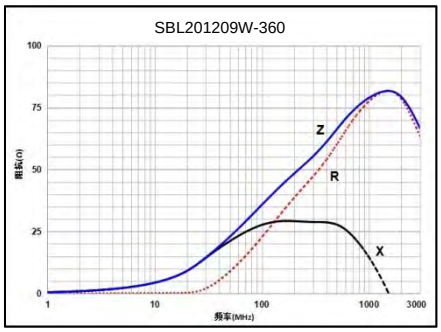


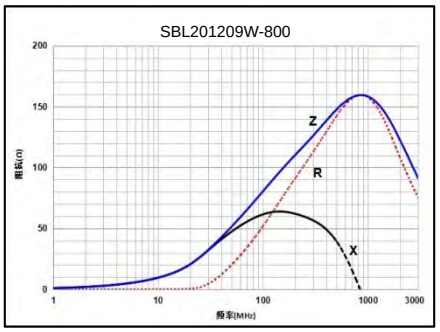
SBL201209W Series

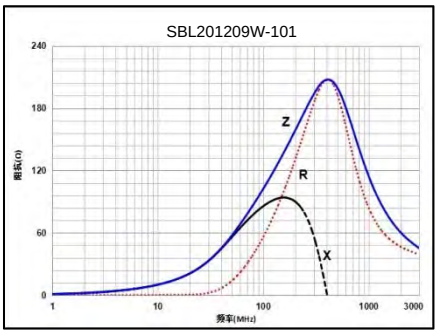


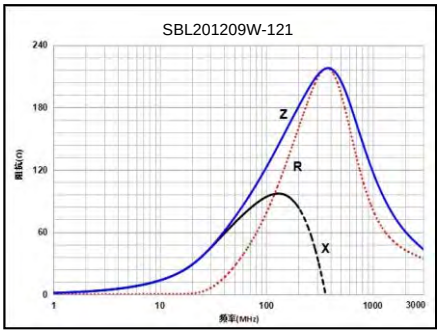
Impedance Frequency Characteristics 阻抗频率性能

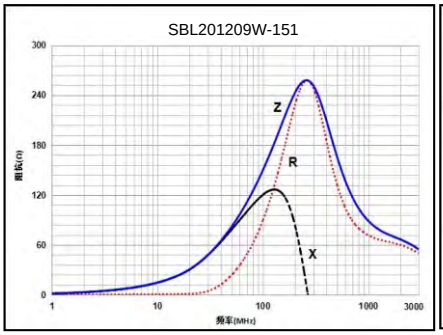
SBL201209W Series

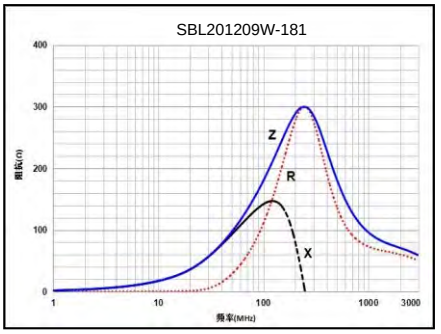


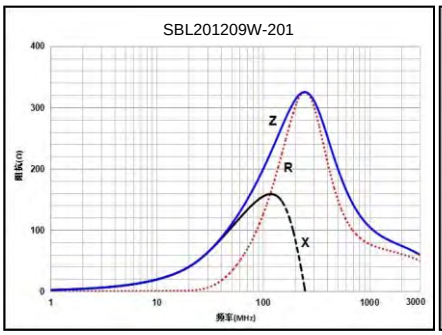


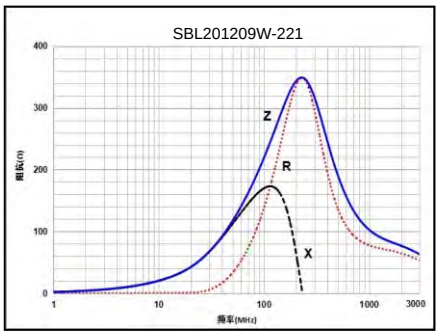


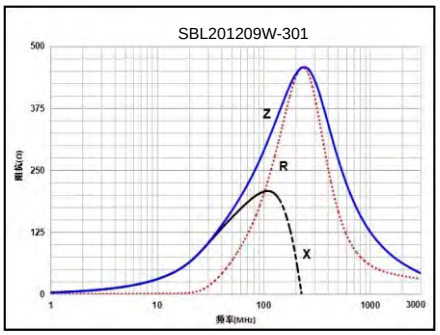


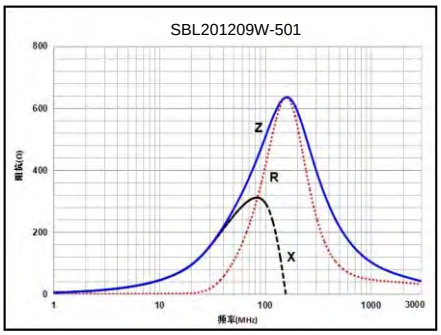


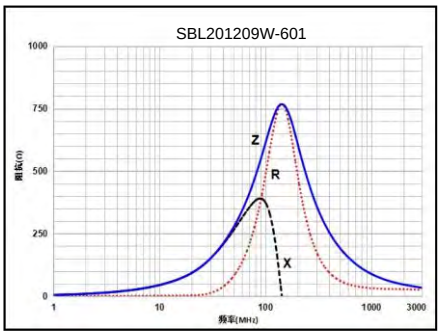


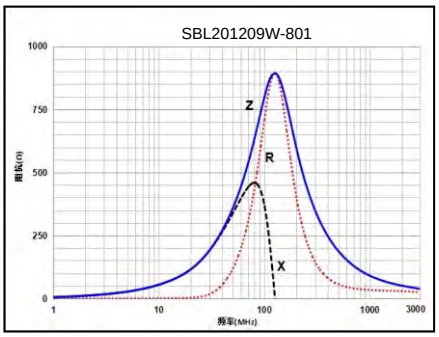


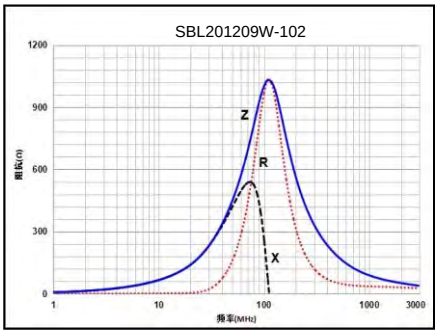


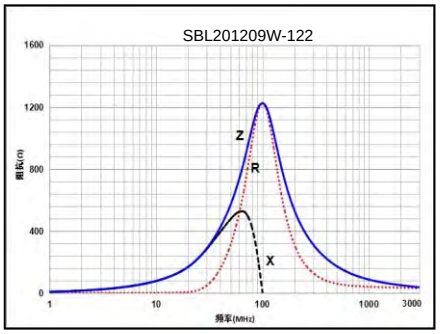






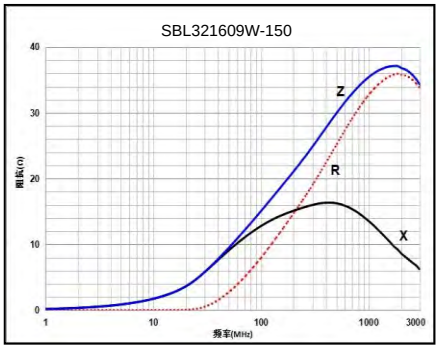


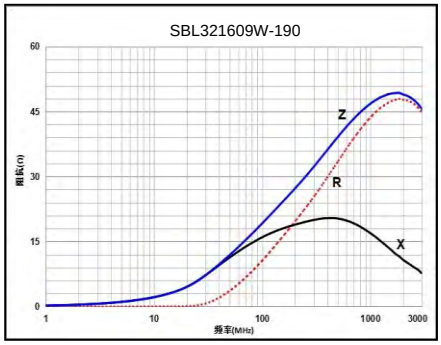


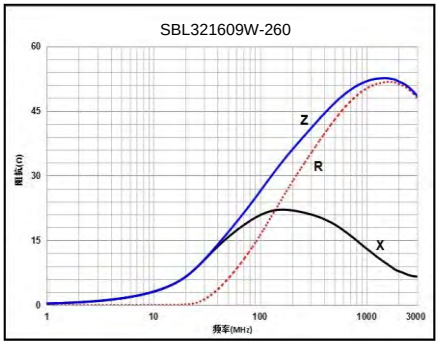


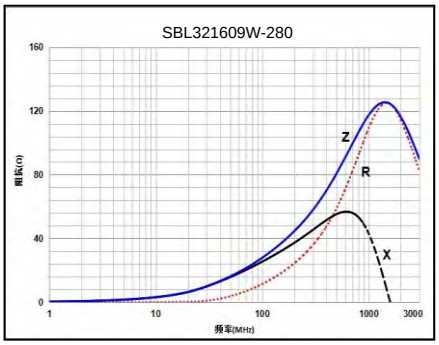
Impedance Frequency Characteristics 阻抗频率性能

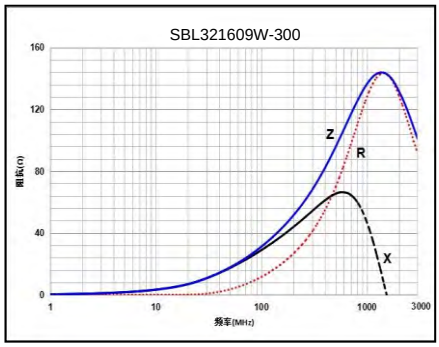
SBL321609W Series

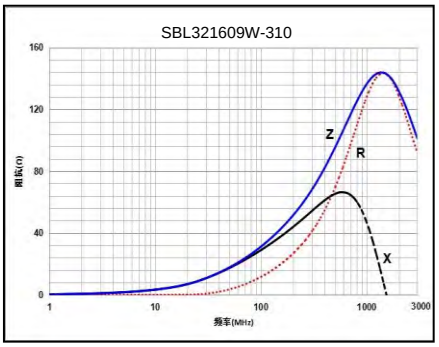


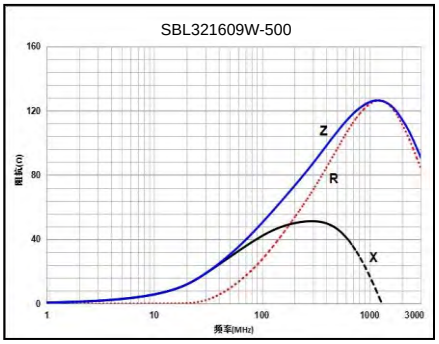


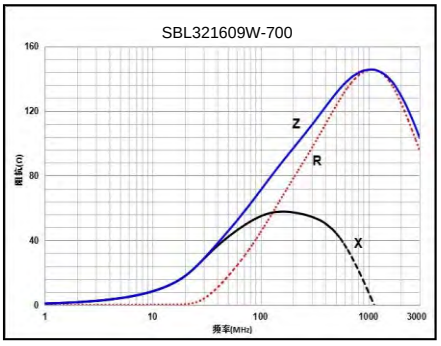


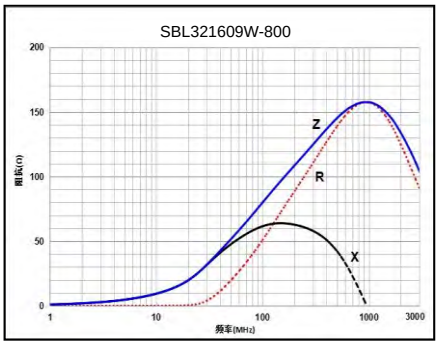


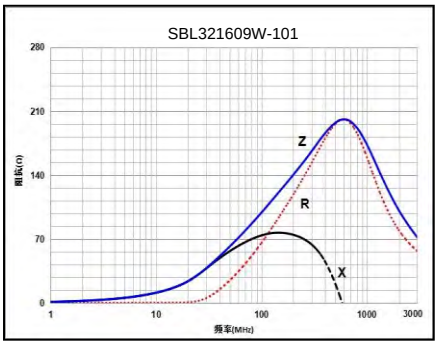


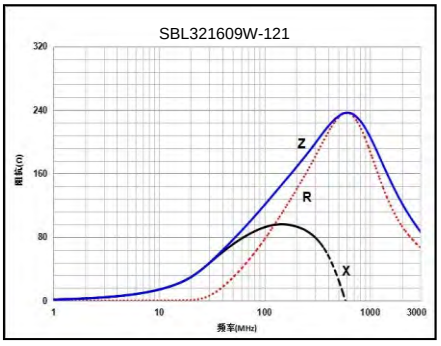


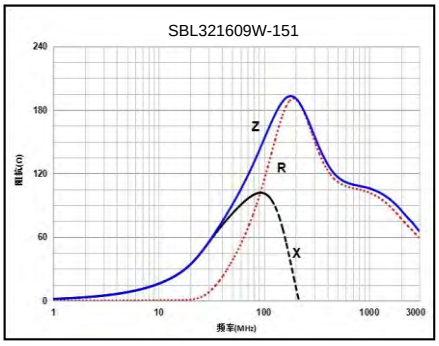


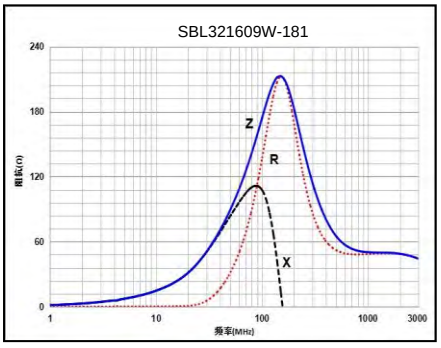


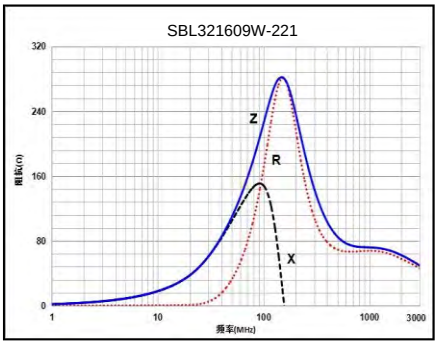






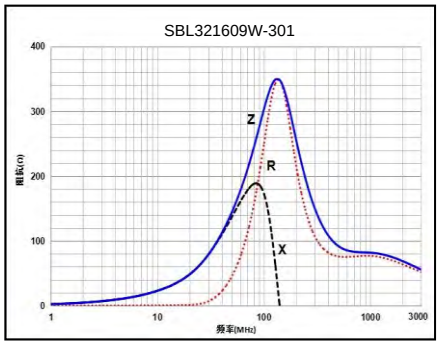


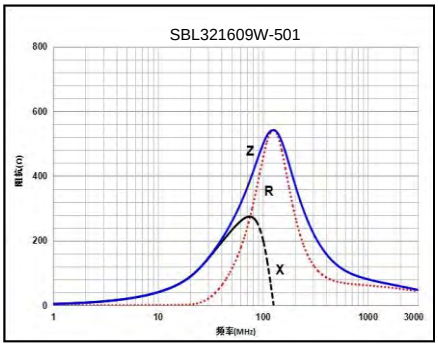


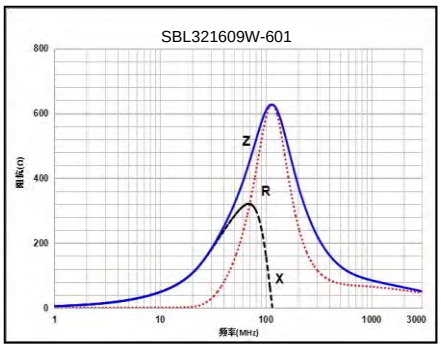


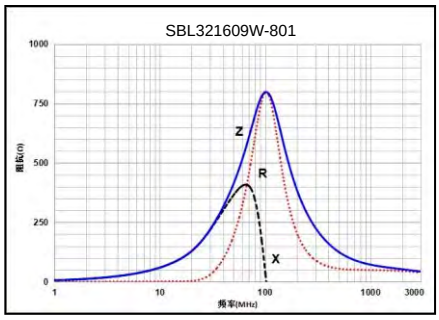
Impedance Frequency Characteristics 阻抗频率性能

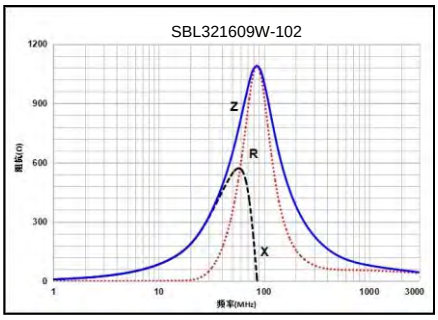
SBL321609W Series



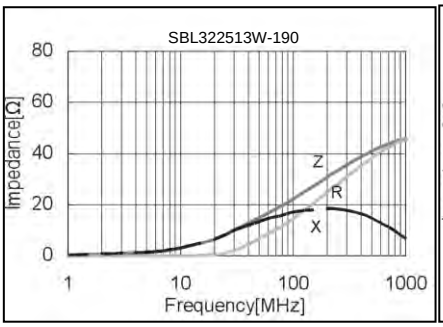


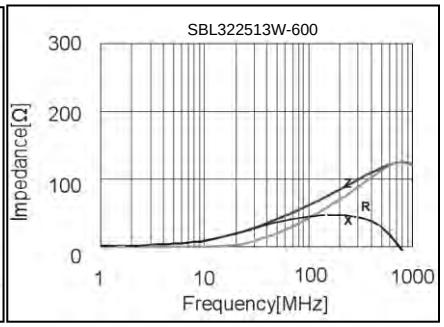


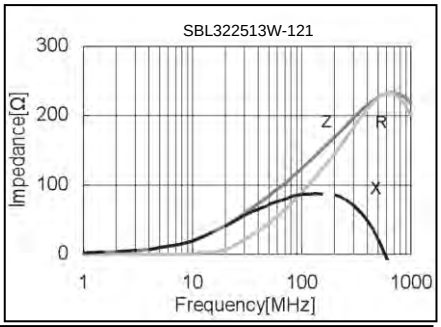


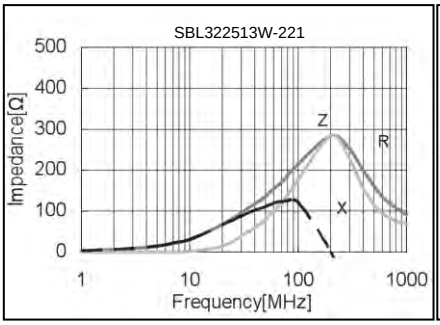


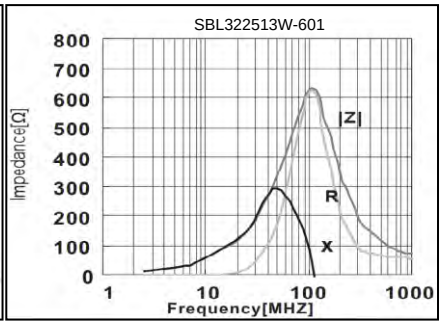
SBL322513W Series

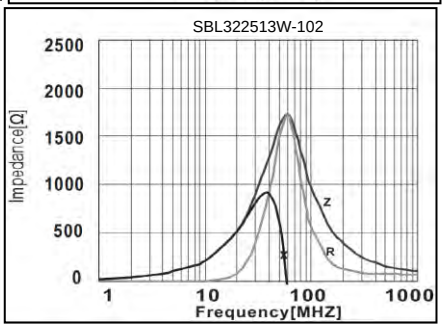




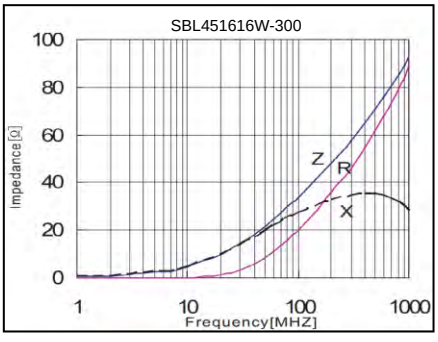


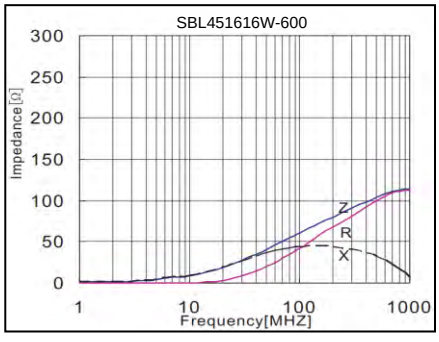


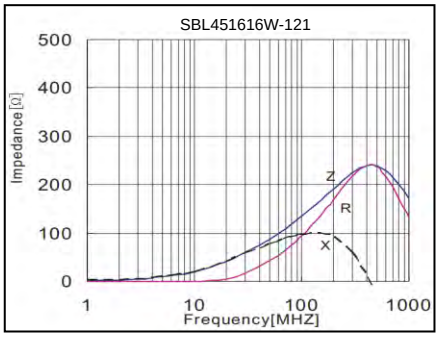




SBL451616W Series

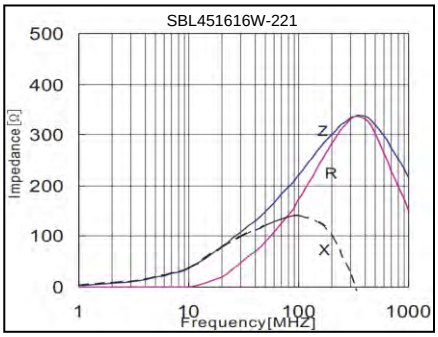




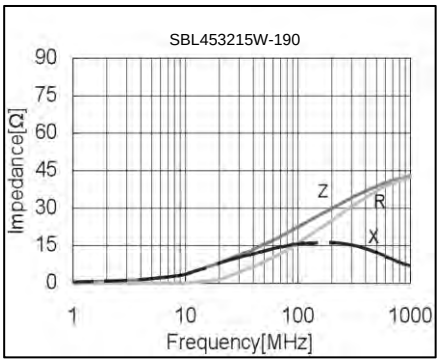


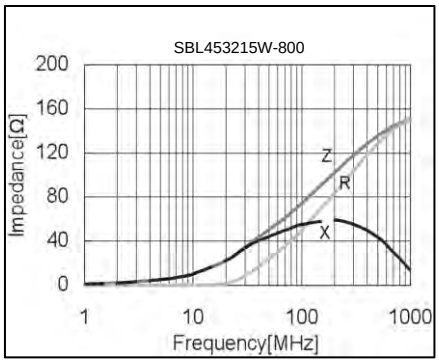
Impedance Frequency Characteristics 阻抗频率性能

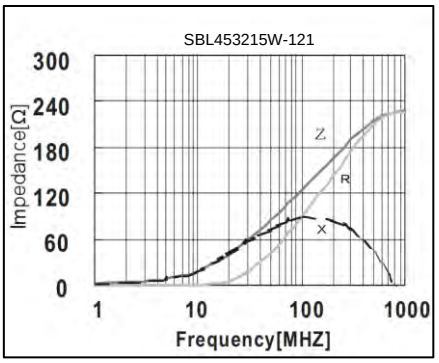
SBL451616W Series



SBL453215W Series







Multilayer Chip Sharp Bead SBLxxxxxxY Series

Features 特点

- Multilayer monolithic construction yields high reliability
  独石结构、高可靠性
- Has sharp impedance characteristics at desirable frequency 在指定的频段具有高阻抗
- Substantial EMI suppression over a wide frequency range 在宽频段有显著的抑制噪声效果
- Does not affect the signal frequency
  对信号频段无影响

Applications 应用

- Computers and peripherals 电脑及外设
- Digital cameras, TV set 数字电视，数码相机
- Communication equipment 通讯设备

Product Identification 产品标识

SBL	201209	Y	121
①	②	③	④

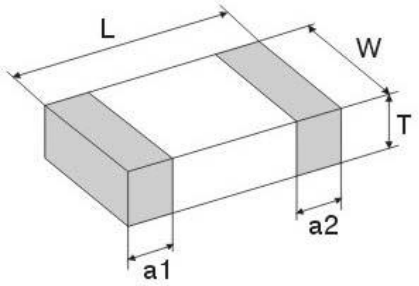
① Series name 系列名称

② Dimension 产品尺寸L×W×T：【201209: 2.0mm×1.2 mm×0.9mm】

③ Material code 材料代码

④ Impedance 阻抗：【100=10Ω 121=120Ω 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]

Electrical Characteristics 电气性能

SBL100505Y Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL100505Y-000	0~15	100	0.10	300
SBL100505Y-050	0~15	100	0.10	300
SBL100505Y-070	0~11	100	0.10	300
SBL100505Y-090	5~13	100	0.10	300
SBL100505Y-110	7~15	100	0.10	300
SBL100505Y-150	9~21	100	0.10	300
SBL100505Y-190	12~25	100	0.10	300
SBL100505Y-310	31±25%	100	0.20	300
SBL100505Y-600	60±25%	100	0.35	200
SBL100505Y-800	80±25%	100	0.40	200
SBL100505Y-121	120±25%	100	0.50	150
SBL100505Y-151	150±25%	100	0.55	150
SBL100505Y-181	180±25%	100	0.60	150
SBL100505Y-221	220±25%	100	0.70	150
SBL100505Y-301	300±25%	100	0.80	100
SBL100505Y-501	500±25%	100	1.10	100
SBL100505Y-601	600±25%	100	1.30	100

SBL160808Y Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL160808Y-000	0~15	100	0.10	600
SBL160808Y-050	0~15	100	0.10	600
SBL160808Y-070	0~11	100	0.10	600
SBL160808Y-090	5~13	100	0.10	500
SBL160808Y-110	7~15	100	0.20	500
SBL160808Y-150	9~21	100	0.20	500
SBL160808Y-190	12~25	100	0.20	500
SBL160808Y-310	31±25%	100	0.25	400
SBL160808Y-600	60±25%	100	0.30	300
SBL160808Y-800	80±25%	100	0.30	300

Electrical Characteristics 电气性能

SBL160808Y Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL160808Y- 121	120±25%	100	0.35	200
SBL160808Y- 151	150±25%	100	0.35	200
SBL160808Y- 221	220±25%	100	0.40	200
SBL160808Y- 301	300±25%	100	0.50	200
SBL160808Y- 501	500±25%	100	0.60	200
SBL160808Y- 601	600±25%	100	0.70	200

SBL201209Y Series

Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL201209Y- 000	0~15	100	0.15	600
SBL201209Y- 050	0~15	100	0.15	600
SBL201209Y- 070	0~11	100	0.15	600
SBL201209Y- 090	5~13	100	0.15	600
SBL201209Y- 110	7~15	100	0.15	600
SBL201209Y- 150	9~21	100	0.15	600
SBL201209Y- 190	12~25	100	0.15	600
SBL201209Y- 260	26±25%	100	0.20	600
SBL201209Y- 310	31±25%	100	0.20	600
SBL201209Y- 700	70±25%	100	0.25	600
SBL201209Y- 800	80±25%	100	0.25	600
SBL201209Y- 121	120±25%	100	0.25	600
SBL201209Y- 151	150±25%	100	0.25	600
SBL201209Y- 221	220±25%	100	0.30	600
SBL201209Y- 301	300±25%	100	0.30	600
SBL201209Y- 501	500±25%	100	0.35	400
SBL201209Y- 601	600±25%	100	0.40	400

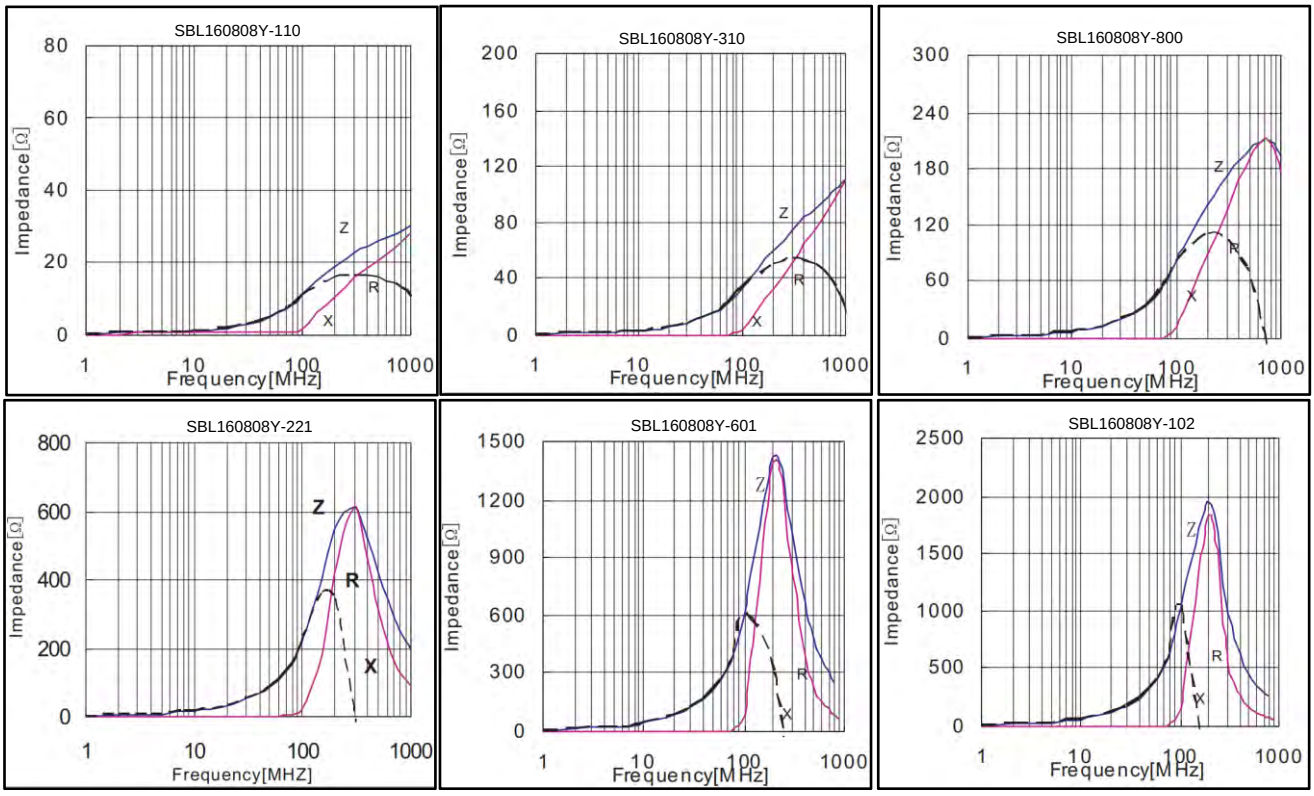
Electrical Characteristics 电气性能

SBL321609Y Series

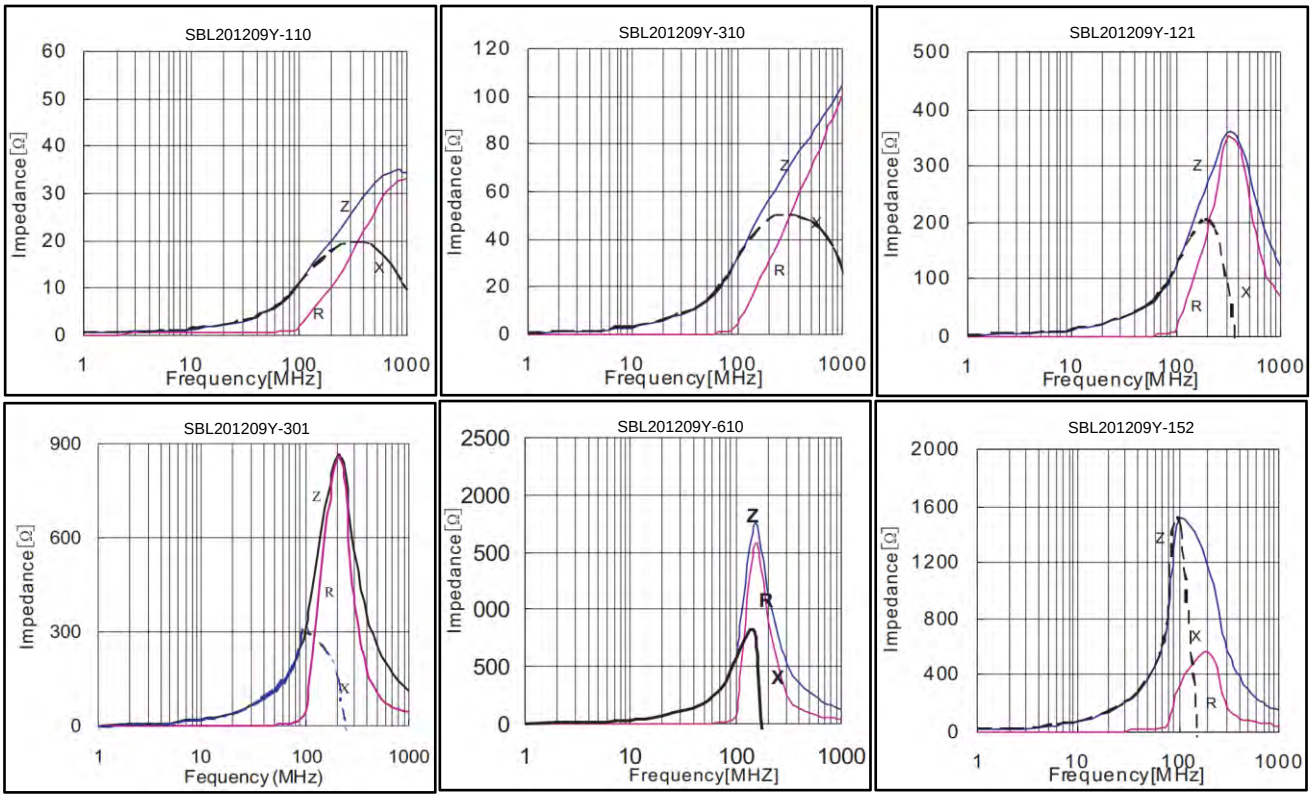
Part Number	Impedance (Ω)	Z Test Freq. (MHz)	RDC(Ω) Max.	Ir(mA) Max.
SBL321609Y- 000	0~15	100	0.10	500
SBL321609Y- 050	0~15	100	0.10	500
SBL321609Y- 070	0~11	100	0.10	500
SBL321609Y- 090	5~13	100	0.10	500
SBL321609Y- 110	7~15	100	0.10	500
SBL321609Y- 150	9~21	100	0.10	500
SBL321609Y- 190	12~25	100	0.10	500
SBL321609Y- 260	26±25%	100	0.10	500
SBL321609Y- 310	31±25%	100	0.10	500
SBL321609Y- 600	60±25%	100	0.20	400
SBL321609Y- 700	70±25%	100	0.20	400
SBL321609Y- 800	80±25%	100	0.20	400
SBL321609Y- 900	90±25%	100	0.20	400
SBL321609Y- 121	120±25%	100	0.20	400
SBL321609Y- 151	150±25%	100	0.20	400
SBL321609Y- 221	220±25%	100	0.20	400
SBL321609Y- 301	300±25%	100	0.25	400
SBL321609Y- 501	500±25%	100	0.30	300
SBL321609Y- 601	600±25%	100	0.30	300

Impedance Frequency Characteristics 阻抗频率性能

SBL160808Y Series

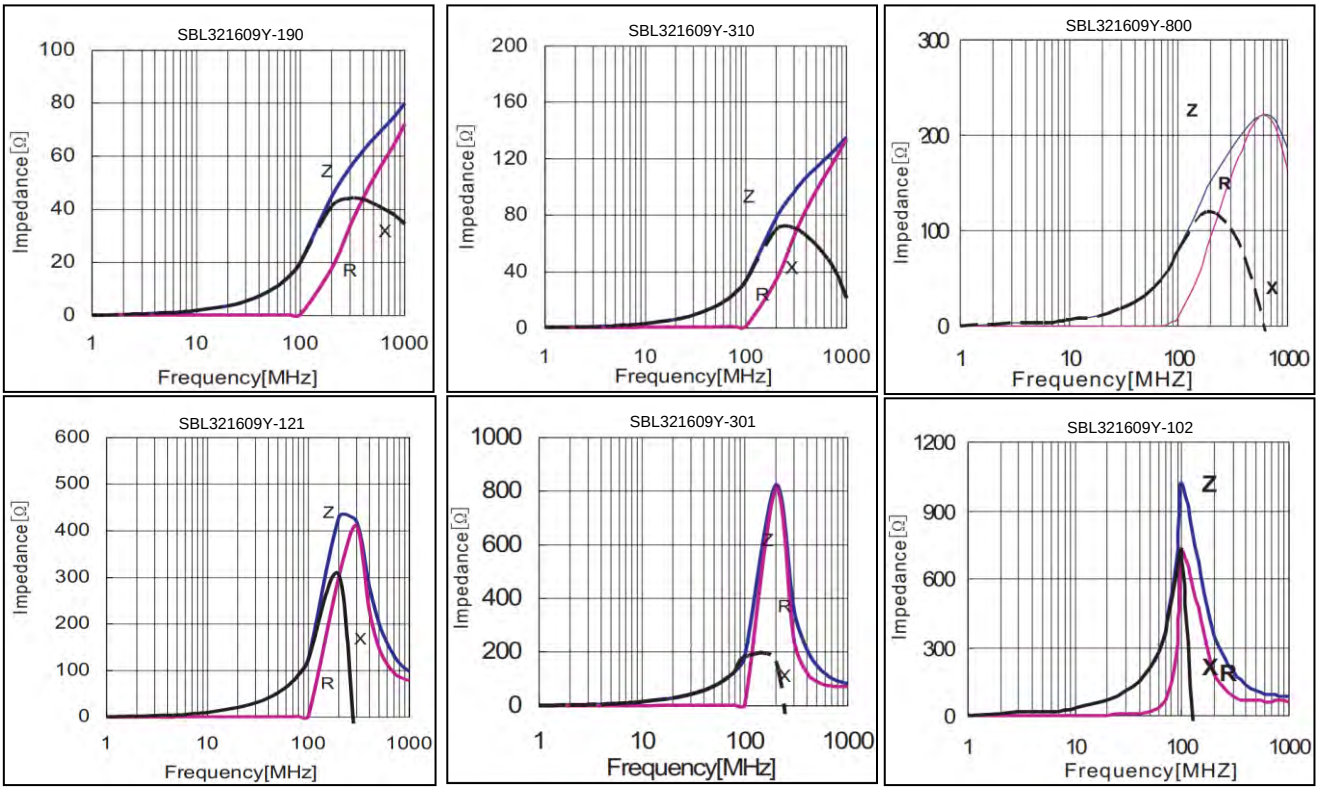


SBL201209Y Series



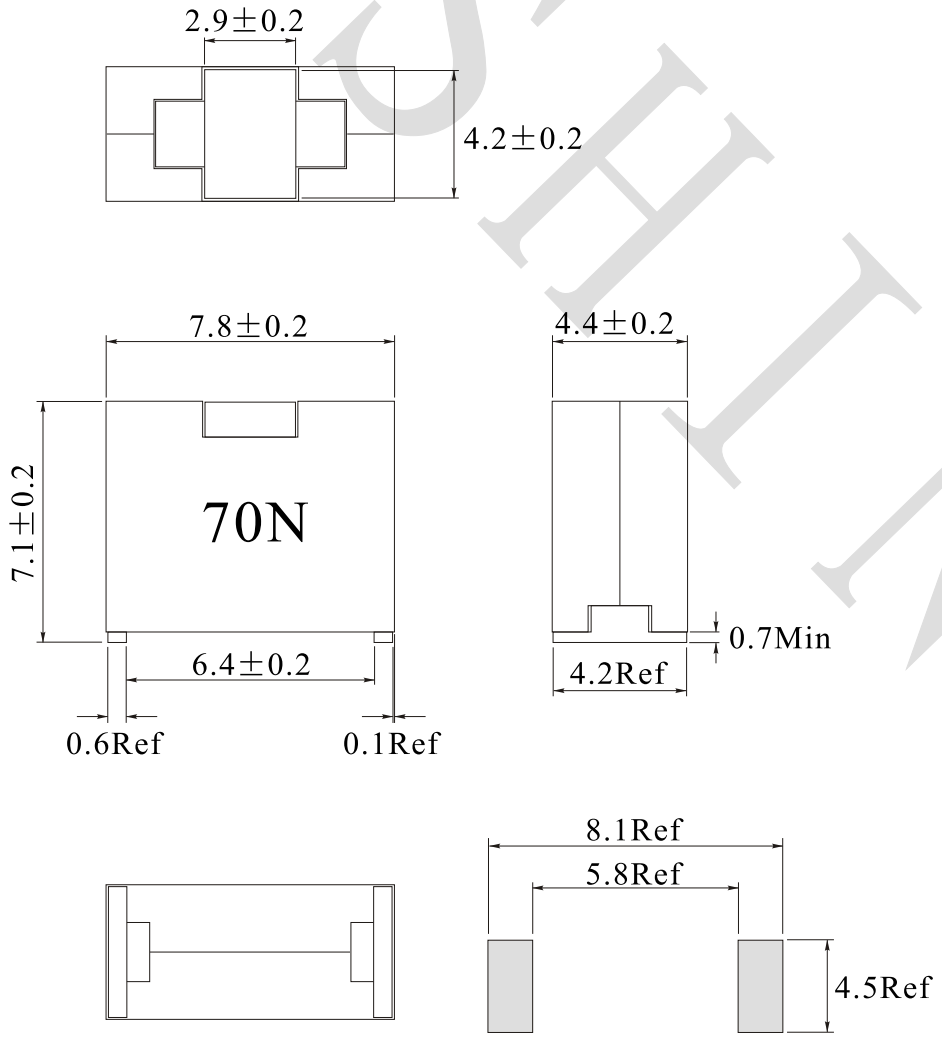
Impedance Frequency Characteristics 阻抗频率性能

SBL321609Y Series



Rev.	Description	Date
A0	New release	2022.10.18

1.PHYSICAL CHARACTERISTICS(mm)



2. ELECTRICAL CHARACTERISTICS@25℃

Inductance: 70nH±15%@100KHz,1V

Irms: 50.0A Max(Temp. rise 40℃ Max.)

Isat: 100A Max(Inductance drop 20% Max)

DCR: 0.17mΩ ±10%

Operating temperature: -40℃ to +125℃

(Include temp. rise 40℃ Max)

Storage temperature: -40℃ to +125℃

Note:

1.Solderability:leads shall meet MIL-STD-202, Method 208D for solderability.

2.Flammability: UL94V-0

3.ASTM oxygen index: >28%

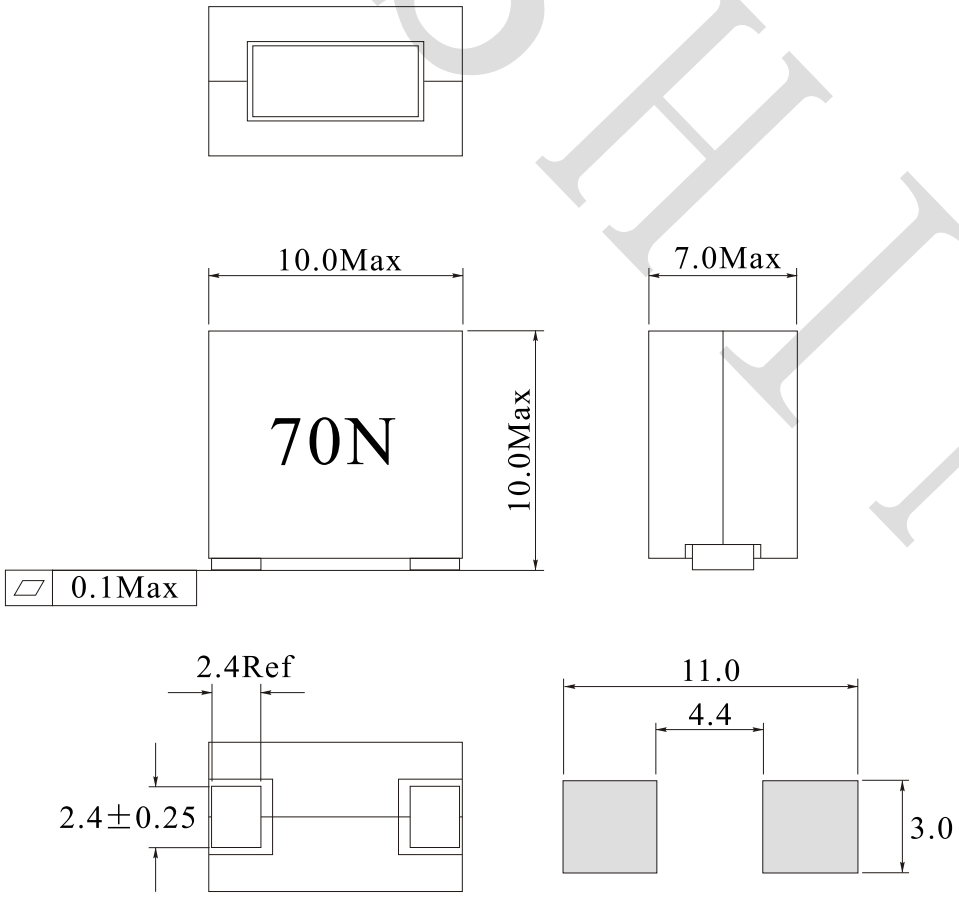
SHINHOM

SHAANXISHINHOM ENTERPRISE CO LTD

NAME:	Ferrite bead inductor		
CUSTOMER P/N:		DATE:	2022-10-18
SHINHOM P/N:	SMB0804-70NY	REV: A0	PAGE
DRAWN BY	CHECKED BY	APPROVE BY	

Rev.	Description	Date
A0	New release	2022.10.18

1.PHYSICAL CHARACTERISTICS(mm)



2. ELECTRICAL CHARACTERISTICS@25℃

Inductance: 70nH±15%@100KHz,1V

Irms: 70.0A Max(Temp. rise 40℃ Max.)

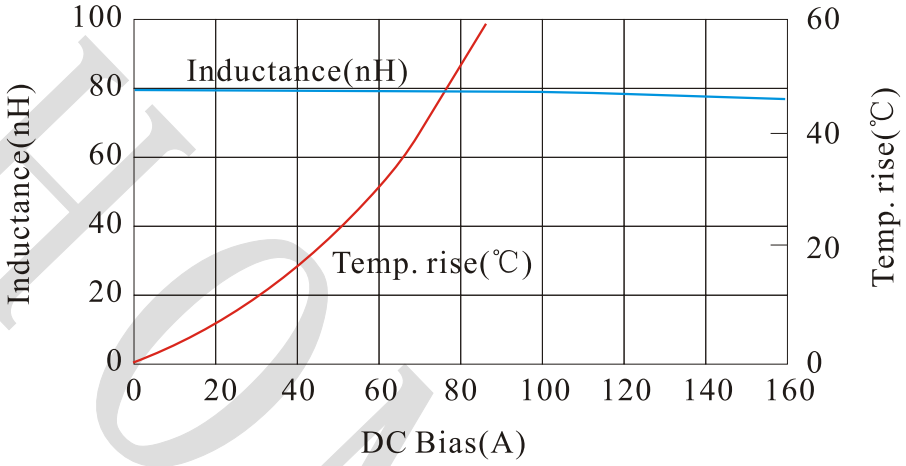
Isat: 145A Max(Inductance drop 20% Max)

DCR: 0.17mΩ ±10%

Operating temperature: -40℃ to +125℃

(Include temp. rise 40℃ Max)

Storage temperature: -40℃ to +125℃



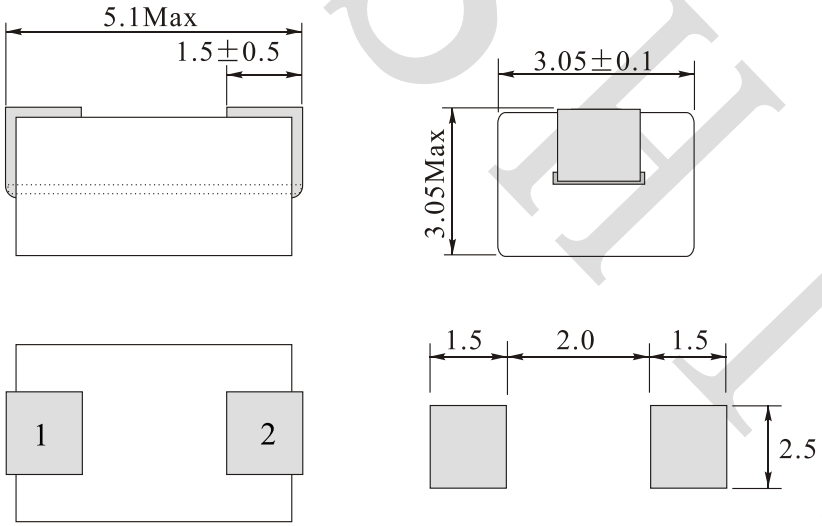
SHINHOM

SHINHOM
SHAANXISHINHOM ENTERPRISE CO LTD

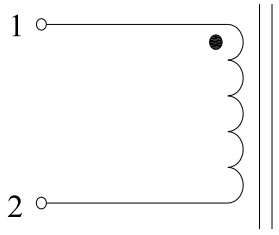
NAME:	Ferrite bead inductor		
CUSTOMER P/N:		DATE:	2022-10-18
SHINHOM P/N:	SMB1007-70NY	REV: A0	PAGE
DRAWN BY	CHECKED BY	APPROVE BY	

Rev.	Description	Date
A0	New release	2019.12.13

1.PHYSICAL CHARACTERISTICS(mm)



2.ELECTRONICAL SCHEMATIC



3.ELECTRONICAL SPECIFICATIONS

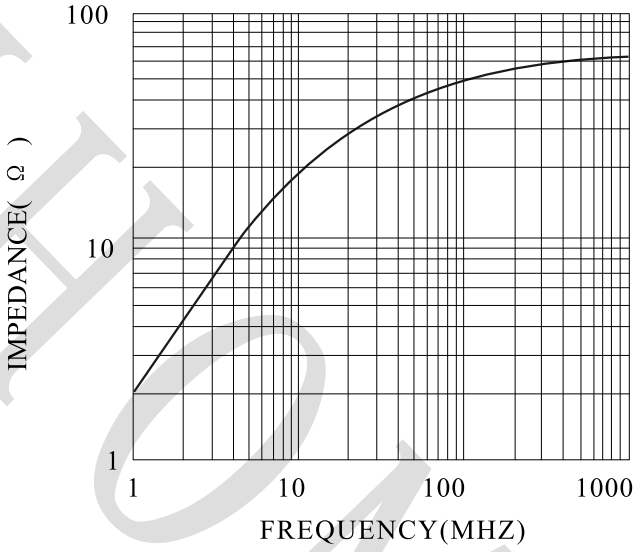
Impedance: 25Ω Min@25MHz

47Ω ±20%@100MHz

DCR: 0.6mΩ Max

Rated current: 15A

Operating temperature: -25℃ to +85℃



NAME:	Surface mount ferrite bead		
CUSTOMER P/N:		DATE:	2019-12-13
SHINHOM P/N:	SMB403025-2	REV: A0	PAGE
DRAWN BY	CHECKED BY	APPROVE BY	

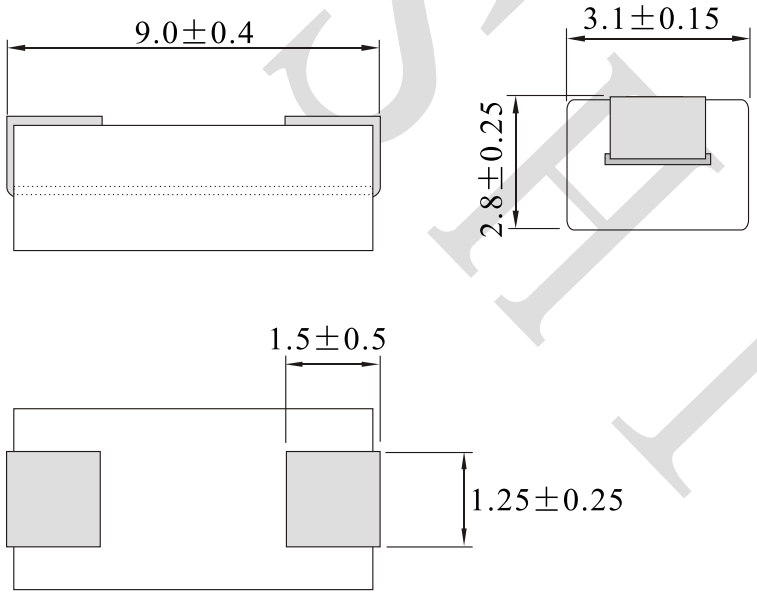
SHINHOM

SHINHOM

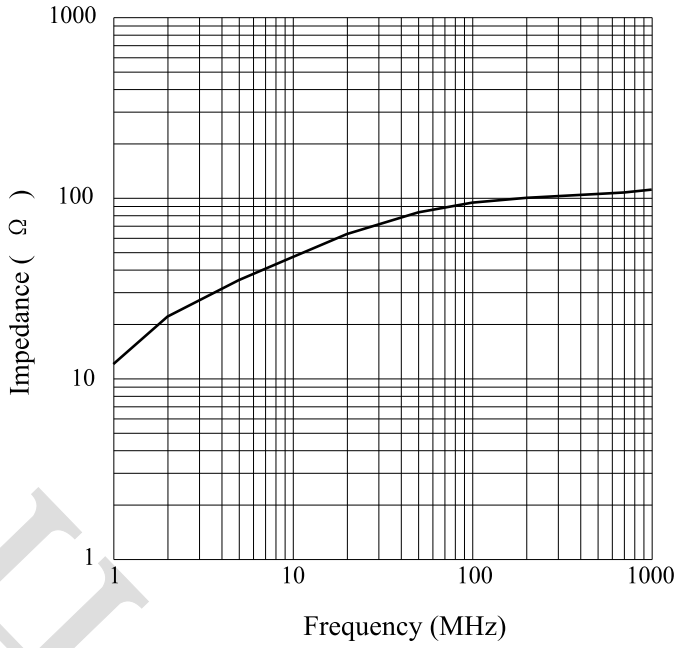
SHAANXISHINHOM ENTERPRISE CO LTD

Rev.	Description	Date
A0	New release	2019.12.17

1.PHYSICAL CHARACTERISTICS(mm)



3.IMPEDANCE VS FREQUENCY



2. ELECTRICAL CHARACTERISTICS

Impedance: 45Ω Min@25MHz

75Ω Min@100MHz

Rated current: 13.0A Max(Temp. rise 40℃ typ.)

DCR: 1.0mΩ Max

Operating temperature: -40℃ to +125℃(Include temp. rise)

Storage temperature: -40℃ to +125℃

Note:

1.Solderability:leads shall meet MIL-STD-202, Method 208D for solderability.

2.Flammability: UL94V-0

3.ASTM oxygen index: >28%

NAME:	Power inductor		
CUSTOMER P/N:	74279225101	DATE:	2019-12-17
SHINHOM P/N:	SMB853025M-1	REV: A0	PAGE
DRAWN BY	CHECKED BY	APPROVE BY	

SHINHOM

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SHAANXISHINHOM ENTERPRISE CO LTD

SMD MULTI-LAYER COMMON MODE FILTER

FEATURES

- Effective for suppressing common mode noise and almost no effect for high speed differential data line
- Ultra low profile (0.87 x 0.67 x 0.50mm)
- Ceramic multilayer type SMD component
- Non-polarized product
- It is a product conforming to RoHS directive
- Operating Temperature Range -40℃ to +85℃

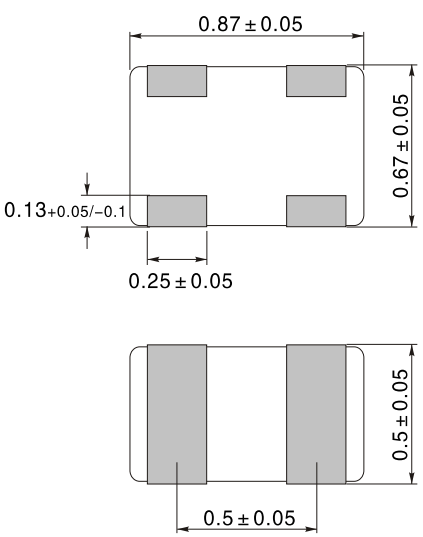
APPLICATIONS

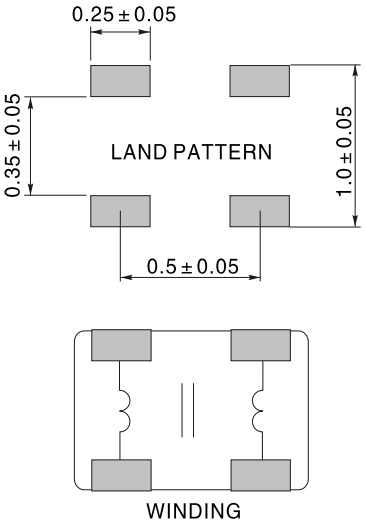
- LVDS lines in notebook computers
- USB2.0, IEEE1394, DVI, HDMI lines in PDP, LCD TV, DVD Player, PC, Audio player, DSC
- MDDI, MIPI in mobile phone

SPECIFICATION OF ELECTRICAL CHARACTERISTICS

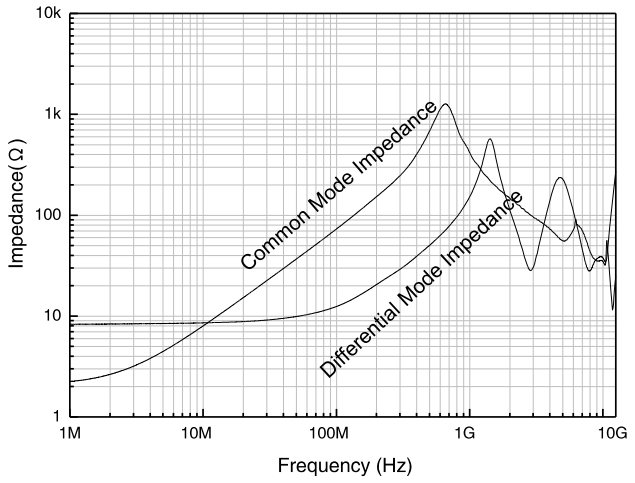
Part Number	Common mode Impedance (Ω)@100MHz	DCR (Ω)Max	Insulation Resistance (MΩ)Min	Rated current (mA)Max	Rated voltage (V)Max	Cutoff frequency (GHz)Typ
SBA0302-2-900	90±25%	6.0	10	100	5.0	4.0

APPEARANCE AND DIMENSION

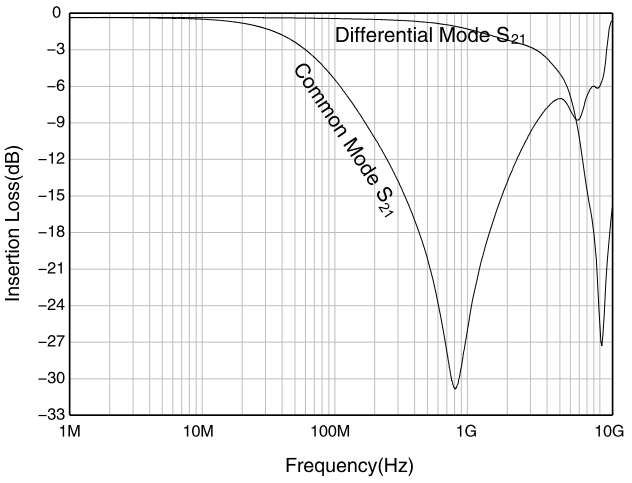




IMPEDANCE CURVES



TRANSMISSION CHARACTERISTICS (S-PARAMETER)



SMD MULTI-LAYER COMMON MODE FILTER

FEATURES

- Effective for suppressing common mode noise and almost no effect for high speed differential data line
- Ultra low profile (2.0x1.2x0.8mm)
- Ceramic multilayer type SMD component
- Non-polarized product
- It is a product conforming to RoHS directive
- Operating Temperature Range -40℃ to +85℃

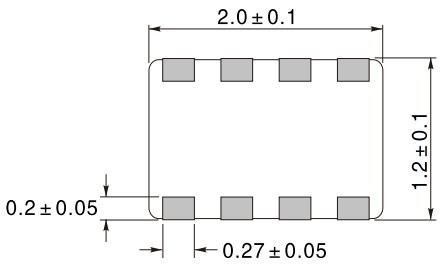
APPLICATIONS

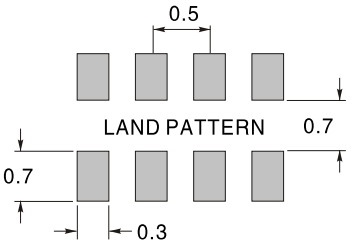
- LVDS lines in notebook computers
- USB2.0, IEEE1394, DVI, HDMI lines in PDP, LCD TV, DVD Player, PC, Audio player, DSC
- MDDI, MIPI in mobile phone

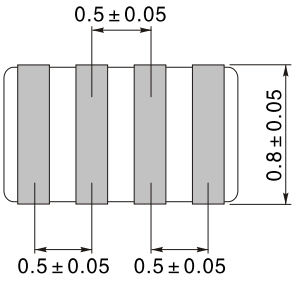
SPECIFICATION OF ELECTRICAL CHARACTERISTICS

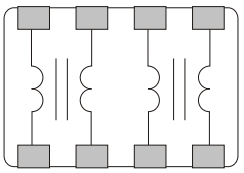
Part Number	Common mode Impedance (Ω)@100MHz	DCR (Ω)Max	Insulation Resistance (MΩ)Min	Rated current (mA)Max	Rated voltage (V)Max	Cutoff frequency (GHz)Typ
SBA0805-4-101	100±25%	4.0	10	100	5.0	3.0

APPEARANCE AND DIMENSION

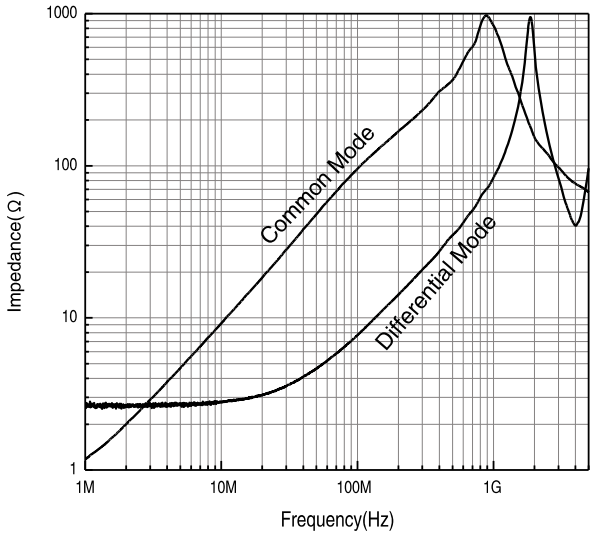








IMPEDANCE CURVES



TRANSMISSION CHARACTERISTICS (S-PARAMETER)