Specification of Cjiang products

Customer	
Product Name	Wire Wound Molded SMD Power Inductors
Customer P/N:	
Cjiang P/N:	FXL Series

[■ New Released, □ Revised] SPEC No.:

REMARK：		
Customer Approval Feedback		

●深圳市长江微电科技有限公司
SZ CJIANG TECHNOLOGY CO., LTD
ADD：11F, International Science and Technology Building, Fuhong Road, Futian District, Shenzhen
Factory ADD: No.5 th Floor, Cjiang Industrial Park No.13 Zhichuang Road,
Banfu EconoMic DevelopMent Zone Zhongshan City,Guangdong Province,
China TEL: 0755-82529562 FAX:0755-83977004
http://www.CJIANG.COM.CN
E-mail: BOND@ Cjiang. com. cn； ann@ cjiang. com. cn
E-mail：RD@cjiang.com.cn

Version change history					
Rev	Date	Description	APPROVED	CHECKED	DRAWN
1.0	2023/11/17	Document formulation	徐舒霞	马月	朱小娟
2.0	2024/1/25	Increase Isat/Irms Max	BOND	MIKO	MIKO
3.0	2024/3/25	Merge all sizes	BOND	XUETING	XUETING
4.0	2025/4/2	New precautions for wave soldering	BOND	QIUCHAN	QIUCHAN
5.0	2025/11/20	Add FXL0530-5R6-M model	BOND	QIUCHAN	QIUCHAN
6.0	2025/11/29	Additional Model Introduced	BOND	QIUCHAN	QIUCHAN
7.0	2026/9/10	Increase Q and S.R.F and typical performance curves	BOND	YANGFAN	YANGFAN

Caution：

All products listed in this specification are developed, designed and intended for use in general electronics equipment. The products are not designed or Warranted to meet the requirements of the applications listed below, whose performance and/or quality require especially high reliability, or whose failure, malfunction or trouble might directly cause damage to society, person, or property. Please understand that we are not responsible for any damage or liability caused by use of the products in any of the applications below. Please contact us for more details if you intend to use our products in the following applications.

1. Aircraft equipment.
2. Aerospace equipment.
3. Undersea equipment.
4. nuclear control equipment.
5. military equipment.
6. Power plant equipment.
7. Medical equipment.
8. Transportation equipment (automobiles, trains, ships,etc.).
9. Traffic signal equipment.
10. Disaster prevention / crime prevention equipment.
11. Data-processing equipment.
12. Applications of similar complexity or with reliability requirements comparable to the applications listed in the above.

Note: This type of product does not currently support ultrasonic welding and ultrasonic cleaning processes.
For further details, please contact our engineering department.

Table of Contents

1 Introduction ---- 04
2 Applications ---- 04
3 Product Identification ---- 04
4 Dimensions ---- 05
5 Marking ---- 06
6 Structure and Components ---- 06
7 Electrical Characteristics ---- 07
8 Typcial Performance Curves ---- 28
（1）Inductance and Impendance vs Frequency Charateristics ---- 28
（2）Inductance and Temperature vs DC Current Characteristics ---- 76
9 Reliability Testing ---- 104
（1）Mechanical Reliability ---- 104
（2）Endurance Reliability ---- 104
10 Recommended Soldering Technologies ---- 105
（1）Re-flowing Profile ---- 105
（2）Iron Soldering Profile ---- 105
11 Packaging Information ---- 106
12 Taping Information ---- 107
（1）Taping Drawings ---- 107
（2）Reel Dimensions ---- 107
（3）Packaging Quantity ---- 109
（4）Peel Force of Top Cover Tape ---- 110
（5）Reel Label ---- 110
（6）Inner Box ---- 110

1.Introduction

- Halogen Free, RoHS compliance
- High rated current
- 125℃ maximum total temperature operation
- Low core loss
- Strong EMI resistance
- Ultra low buzz noise due to molding construction



2. Applications

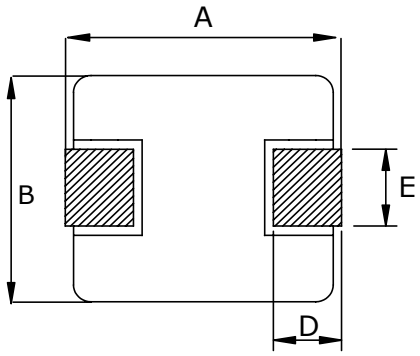
- Laptops and PCs
- Switch and servers
- Base stations
- DC/DC converters
- Battery powered devices
- SSD modules

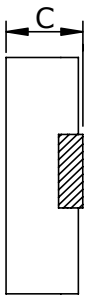
3. Product Identification

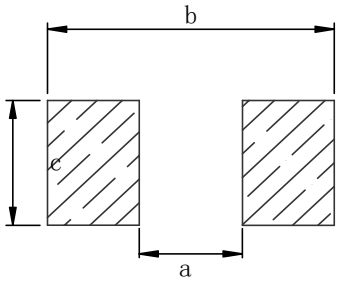
FXL	0420	-	1R5	-M	□□□
①	②		③	④	⑤

① FXL ---------- Series name
② 0420 ---------- Dimension
③ 1R5 ---------- Inductance Value (1R5 = 1.5μH)
④ M ---------- Inductance Tolerance (M= ± 20%)
⑤ □□□ ---------- special code

4.Dimensions (unit:mm)







Recommend Land Pattern

Series	A	B	C	D	E	a typ	b typ	c typ
FXL0412	4.4±0.35	4.2±0.25	1.2MAX	0.8±0.3	2.0±0.3	2.2	5.2	2.5
FXL0420	4.4±0.35	4.2±0.25	2.0MAX	0.8±0.3	2.0±0.3	2.2	5.2	2.5
FXL0518	5.4±0.35	5.2±0.2	1.8MAX	1.2±0.3	2.2±0.3	2.2	6	2.5
FXL0530	5.4±0.35	5.2±0.2	3.0MAX	1.2±0.3	2.2±0.3	2.2	6	2.5
FXL0615	7.0±0.3	6.6±0.2	1.5MAX	1.6±0.3	3.0±0.3	3.7	8.4	3.5
FXL0618	7.0±0.3	6.6±0.2	1.8MAX	1.6±0.3	3.0±0.3	3.7	8.4	3.5
FXL0624	7.0±0.3	6.6±0.2	2.4MAX	1.6±0.3	3.0±0.3	3.7	8.4	3.5
FXL0630	7.0±0.3	6.6±0.2	3.0MAX	1.6±0.3	3.0±0.3	3.7	8.4	3.5
FXL0640	7.0±0.3	6.6±0.2	4.0MAX	1.6±0.3	3.0±0.3	3.7	8.4	3.5
FXL0650	7.0±0.3	6.6±0.2	5.0MAX	1.6±0.3	3.0±0.3	3.7	8.4	3.5
FXL0840	8.8±0.4	8.2±0.3	4.0MAX	1.4±0.3	5.0±0.3	4	9.6	5.5
FXL0850	8.8±0.4	8.2±0.3	5.0MAX	1.4±0.3	5.0±0.3	4	9.5	5.5
FXL1030	11.5MAX	10.0±0.3	3.0MAX	2.0±0.5	3.0±0.5	5.4	13.6	4.1
FXL1040	11.5MAX	10.0±0.3	4.0MAX	2.0±0.5	3.0±0.5	5.4	13.6	4.1
FXL1050	11.5MAX	10.0±0.3	5.0MAX	2.0±0.5	3.0±0.5	5.4	13.6	4.1
FXL1340	13.45±0.35	12.8±0.5	4.0MAX	2.0±0.5	**See remarks**	8	14.5	5.5
FXL1350	13.45±0.35	12.6±0.3	5.0MAX	2.0±0.5	**See remarks**	8	14.5	5.5
FXL1360	13.45±0.35	12.6±0.3	6.0MAX	2.0±0.5	**See remarks**	8	14.5	5.5
FXL1365	13.45±0.35	12.6±0.3	6.5MAX	2.0±0.5	**See remarks**	8	14.5	5.5
FXL1770	17.15±0.35	17.15MAX	7.0MAX	2.5±0.5	12.0±0.3	11.2	18.2	12.8
FXL2213	23.5±0.5	22.0±0.3	13.0MAX	5.0±0.4	19.0±0.3	12.5	24	19.6

Remarks:

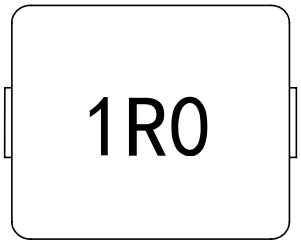
Series	E	Dimensions
FXL1340	3.85±0.5	R22/R47
	5.0±0.3	R68/R82/1R0/1R5/2R2/3R3/4R7/6R8/100/150/220
FXL1350	3.85±0.5	R22/R36/R50/R68/R82/1R0/1R5/2R2
	5.0±0.4	3R3/4R7/6R8/8R2/100/150/220/330/470
FXL1360	3.85±0.5	1R0/2R2/3R3
	5.0±0.3	4R7/5R6/6R8/8R2/100/120/150/180/220/270/330/470/680/101/121/151
FXL1365	3.85±0.5	2R2
	5.0±0.3	3R3/4R7/5R6/6R8/8R2/100/150/220/330/470/680/820/101

5.Marking

The inductor is marked with a 3-digit code

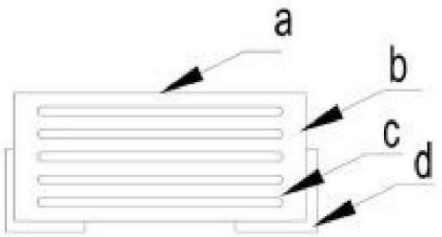
Nominal Inductance	
Example	**Nominal Value**
1R0	1.0 μH
100	10 μH
101	100 μH

Note : Using Ink for marking



6.Structure and Components

Symbol	Components	Material
a	MARKING	Ink (black)
b	CORE	Alloy Sponge Powder
c	WIRE	Polyurethane copper wire
d	Terminal	Copper plated with Sn



7. Electrical Characteristics

FXL0412 Series（4.4*4.2*1.2 mm）

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current		Quality Factor	Self-Resonant Frequency	Withstand Voltage
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)		Q (-)	S.R.F (MHz)	V_W (V)
	±20%,100kHz / 1V	MAX.	MAX.	TYP.	MAX.	TYP.	TYP.	MIN.	MAX.
FXL0412-R15-M	0.15	9	12.0	15.0	6.8	7.5	2.1	196	30
FXL0412-R22-M	0.22	11	8.8	11.0	6.5	7.0	4.0	144	
FXL0412-R33-M	0.33	19	6.7	8.4	5.7	6.5	5.7	109	
FXL0412-R47-M	0.47	21	5.4	6.8	5.2	6.0	6.8	86	
FXL0412-R68-M	0.68	36	4.8	6.0	4.2	4.7	6.9	70	
FXL0412-1R0-M	1.0	47	4.4	5.5	3.8	4.5	7.3	63	
FXL0412-1R5-M	1.5	75	3.2	4.0	2.7	3.25	7.1	47	
FXL0412-2R2-M	2.2	83.5	2.4	3.5	2.2	2.75	9.2	34	
FXL0412-3R3-M	3.3	165	2.38	3.0	1.77	2.0	8.3	30	
FXL0412-4R7-M	4.7	195	1.80	2.8	1.45	1.8	8.7	22	

※ Click on the self-resonant frequency value to jump directly to the corresponding curve

点击自谐振频率值，即可跳转到对应的曲线

FXL0420 Series（4.4*4.2*2.0 mm）

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current		Quality Factor	Self-Resonant Frequency	Withstand Voltage
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)		Q (-)	S.R.F (MHz)	V_W (V)
	±20%,100kHz / 1V	MAX.	MAX.	TYP.	MAX.	TYP.	TYP.	MIN.	MAX.
FXL0420-R10-M	0.1	4	17.6	22.0	11.2	13.0	1.5	189	30
FXL0420-R10-MY1	0.1	3.8	20.0	26.0	11.2	13.0	1.5	189	
FXL0420-R22-M	0.22	6.6	10.0	12.5	8.2	9.5	8.0	108	
FXL0420-R22-MA1	0.22	6.6	13.0	16.0	8.2	9.5	8.0	108	
FXL0420-R33-M	0.33	11	9.6	12.0	8.6	10.0	7.5	94	
FXL0420-R47-M	0.47	14	7.6	9.5	6.65	7.5	7.3	67	
FXL0420-R47-MA1	0.47	14	9.5	12.0	6.65	7.5	7.3	67	
FXL0420-R56-M	0.56	16	7.2	10.0	6.1	7.0	7.8	57	
FXL0420-R56-MY1	0.56	12.5	9.0	11.5	6.1	7.0	7.8	57	
FXL0420-R68-M	0.68	18	6.4	9.0	6.15	7.0	9.0	53	
FXL0420-R68-MY1	0.68	16	8.5	11.0	6.15	7.0	9.0	53	
FXL0420-1R0-M	1.0	27	5.6	7.0	5.4	6.0	8.7	45	
FXL0420-1R0-MA1	1.0	27	6.5	9.0	5.4	6.0	8.7	45	
FXL0420-1R2-M	1.2	27	5.2	7.0	5.4	6.0	13	45	
FXL0420-1R5-M	1.5	46	4.4	6.0	4.3	5.0	11	37	
FXL0420-1R5-MY1	1.5	44	5.0	7.0	4.3	5.0	11	37	
FXL0420-2R2-M	2.2	58	4.0	5.0	3.8	4.5	13	27	
FXL0420-2R2-MY1	2.2	52	4.5	6.0	3.8	4.5	13	27	
FXL0420-3R3-M	3.3	87	2.8	4.0	2.8	3.3	13	24	
FXL0420-3R3-MY1	3.3	82	3.2	4.2	2.8	3.3	13	24	
FXL0420-4R7-M	4.7	105	2.4	3.0	2.2	2.8	14	17	
FXL0420-6R8-M	6.8	175	2.0	2.5	1.9	2.4	13	16	
FXL0420-6R8-MR1	6.8	160	2.0	2.5	1.9	2.4	13	16	
FXL0420-100-M	10	282	1.6	2.2	1.3	1.6	13	13	
FXL0420-100-MY1	10	235	1.8	2.5	1.3	1.6	13	13	
FXL0420-220-M	22	363	1.12	1.4	0.9	1.2	16	7.4	

FXL0518 Series（5.4*5.2*1.8 mm）

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current		Quality Factor	Self-Resonant Frequency	Withstand Voltage
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)		Q (-)	S.R.F (MHz)	V_W (V)
	±20%,100kHz / 1V	MAX.	MAX.	TYP.	MAX.	TYP.	TYP.	MIN.	MAX.
FXL0518-R47-M	0.47	9	9.6	15.5	9.5	10.5	8.5	69	30
FXL0518-R56-M	0.56	10	8.8	15.0	8.2	9.5	8.8	65	
FXL0518-R68-M	0.68	13.8	9.3	11.2	7.7	8.9	11	54	
FXL0518-1R0-M	1.0	17	7.2	9.0	7.2	8.0	12	42	
FXL0518-1R5-M	1.5	26	6.4	9.0	6.6	7.5	12	33	
FXL0518-2R2-M	2.2	35	4.8	6.5	4.2	5.0	16	26	
FXL0518-3R3-M	3.3	58	3.84	5.0	3.8	4.5	16	22	
FXL0518-4R7-M	4.7	85	3.2	4.0	3.0	3.5	13	17	
FXL0518-6R8-M	6.8	120	2.72	3.4	2.4	2.8	16	16	
FXL0518-100-M	10	155	2.0	3.0	2.2	2.5	16	11	

※ Click on the self-resonant frequency value to jump directly to the corresponding curve

点击自谐振频率值，即可跳转到对应的曲线

FXL0530 Series（5.4*5.2*3.0 mm）

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current		Quality Factor	Self-Resonant Frequency	Withstand Voltage
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)		Q (-)	S.R.F (MHz)	V_W (V)
	±20%,100kHz / 1V	MAX.	MAX.	TYP.	MAX.	TYP.	TYP.	MIN.	MAX.
FXL0530-R10-M	0.10	3	24.0	33.0	23.0	25.0	9.2	204	30
FXL0530-R10-MA1	0.10	3	26.0	35.0	23.0	25.0	9.2	204	30
FXL0530-R20-M	0.20	3.9	11.6	14.5	13.0	14.0	14	114	30
FXL0530-R33-M	0.33	5.5	14.4	18.0	13.1	14.0	13	76	30
FXL0530-R47-M	0.47	8.5	9.6	12.0	10.0	11.0	19	56	30
FXL0530-R47-MY1	0.47	7	12.0	16.0	10.0	11.0	19	56	30
FXL0530-R68-M	0.68	12	9.2	11.5	8.2	9.0	16	52	30
FXL0530-R68-MA1	0.68	12	10.5	13.0	8.2	9.0	16	52	30
FXL0530-1R0-M	1.0	14	8.0	11.0	7.8	8.5	19	38	30
FXL0530-1R0-MV50	1.0	14	8.0	11.0	7.8	8.5	19	38	50
FXL0530-1R2-M	1.2	16	7.6	11.0	7.85	8.5	20	32	30
FXL0530-1R2-MR1	1.2	14	7.6	11.0	7.85	8.5	20	32	30
FXL0530-1R5-M	1.5	25	7.2	8.5	7.6	8.2	18	35	30
FXL0530-1R5-MR1	1.5	22	7.2	8.5	7.6	8.2	18	35	30
FXL0530-2R2-M	2.2	29	5.6	7.5	6.4	7.0	21	25	30
FXL0530-2R2-MA1	2.2	29	6.5	8.0	6.4	7.0	21	25	30
FXL0530-3R3-M	3.3	38	4.8	6.0	5.0	5.5	24	19	30
FXL0530-3R3-MV50	3.3	38	4.8	6.0	5.0	5.5	24	19	50
FXL0530-4R7-M	4.7	60	3.68	5.0	4.0	4.5	22	16	30
FXL0530-4R7-MA1	4.7	60	4.5	5.5	4.0	4.5	22	16	30
FXL0530-5R6-M	5.6	75	3.3	4.5	3.2	4.0	24	14	30
FXL0530-6R8-M	6.8	90	2.88	4.0	2.9	3.5	21	13	30
FXL0530-6R8-MR1	6.8	80	2.88	4.0	2.9	3.5	21	13	30
FXL0530-6R8-MV50	6.8	90	2.88	4.0	2.9	3.5	21	13	50
FXL0530-100-M	10	125	2.8	3.5	2.8	3.2	22	11	30
FXL0530-100-MV50	10	125	2.8	3.5	2.8	3.2	22	11	50
FXL0530-150-M	15	180	2.0	2.2	1.6	1.7	20	8.0	30
FXL0530-220-M	22	248	2.0	2.3	1.5	1.7	24	7.1	30

FXL0615 Series（7.0*6.6*1.5 mm）

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current		Quality Factor	Self-Resonant Frequency	Withstand Voltage
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)		Q (-)	S.R.F (MHz)	V_W (V)
	±20%,100kHz / 1V	MAX.	MAX.	TYP.	MAX.	TYP.	TYP.	MIN.	MAX.
FXL0615-R47-M	0.47	8.5	14.16	16.0	8.85	10.0	12	60	30
FXL0615-R56-M	0.56	11	12.38	14.0	7.96	9.0	8.8	54	
FXL0615-R68-M	0.68	12	10.62	12.0	7.52	8.5	11	44	
FXL0615-R82-M	0.82	17	8.85	10.0	7.08	8.0	12	43	
FXL0615-1R0-M	1.0	21	7.96	9.0	5.3	6.0	11	39	
FXL0615-1R5-M	1.5	45	6.2	7.0	3.4	4.0	11	29	
FXL0615-2R2-M	2.2	54	6.19	7.0	3.36	3.8	12	28	
FXL0615-3R3-M	3.3	63	4.87	5.5	3.1	3.5	13	19	
FXL0615-4R7-M	4.7	85	4.42	5.0	2.83	3.2	13	18	
FXL0615-6R8-M	6.8	135	3.54	4.0	2.21	2.5	11	15	
FXL0615-100-M	10	175	2.65	3.0	1.77	2.0	14	11	

※ Click on the self-resonant frequency value to jump directly to the corresponding curve

点击自谐振频率值，即可跳转到对应的曲线

FXL0618 Series（7.0*6.6*1.8 mm）

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current		Quality Factor	Self-Resonant Frequency	Withstand Voltage
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)		Q (-)	S.R.F (MHz)	V_W (V)
	±20%,100kHz / 1V	MAX.	MAX.	TYP.	MAX.	TYP.	TYP.	MIN.	MAX.
FXL0618-R10-M	0.1	2.3	30.4	38.0	23.0	25.0	10	233	30
FXL0618-R22-M	0.22	3.5	19.2	26.0	20.0	22.0	10	94	
FXL0618-R47-M	0.47	8.4	16.0	18.0	10.0	11.5	13	58	
FXL0618-R68-M	0.68	12	13.2	17.0	8.4	9.5	14	57	
FXL0618-1R0-M	1.0	16	9.6	14.0	7.6	8.5	16	39	
FXL0618-1R5-M	1.5	26	7.36	12.0	7.1	8.0	17	33	
FXL0618-2R2-M	2.2	35	6.4	8.0	6.2	7.0	16	23	
FXL0618-3R3-M	3.3	50	4.8	6.5	3.8	4.5	18	20	
FXL0618-4R7-M	4.7	62	4.0	5.0	3.5	4.0	17	16	
FXL0618-6R8-M	6.8	110	3.6	4.5	2.4	3.0	18	15	
FXL0618-100-M	10	155	3.2	4.0	1.95	2.3	16	13	
FXL0618-100-MR1	10	135	3.2	4.0	1.95	2.3	16	13	
FXL0618-220-M	22	350	1.84	2.3	1.4	1.8	14	8.4	

FXL0624 Series（7.0*6.6*2.4 mm）

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current		Quality Factor	Self-Resonant Frequency	Withstand Voltage
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)		Q (-)	S.R.F (MHz)	V_W (V)
	±20%,100kHz / 1V	MAX.	MAX.	TYP.	MAX.	TYP.	TYP.	MIN.	MAX.
FXL0624-R22-M	0.22	3.0	24.0	34.0	19.0	21.0	17	86	30
FXL0624-R33-M	0.33	4.1	19.6	24.5	16.0	18.0	14	68	
FXL0624-R47-M	0.47	5.1	16.0	22.0	13.5	15.0	16	62	
FXL0624-R56-M	0.56	6.5	13.6	17.0	11.5	13.0	17	52	
FXL0624-R68-M	0.68	7.0	12.8	16.0	10.5	12.0	19	49	
FXL0624-1R0-M	1.0	13.5	12.0	16.0	8.0	9.0	19	41	
FXL0624-1R5-M	1.5	20	10.8	15.0	7.0	9.0	15	31	
FXL0624-2R2-M	2.2	28	8.0	10.0	6.2	7.0	24	21	
FXL0624-3R3-M	3.3	39	6.4	8.0	4.8	5.5	20	22	
FXL0624-4R7-M	4.7	50	5.2	7.5	4.3	5.0	21	15	
FXL0624-6R8-M	6.8	70	4.8	6.0	3.2	4.0	23	13	
FXL0624-100-M	10	101	3.2	4.0	2.4	3.1	22	9.7	
FXL0624-150-M	15	160	2.64	3.3	2.0	2.5	22	9.7	
FXL0624-220-M	22	230	2.0	2.5	1.6	2.0	20	7.1	

FXL0630 Series（7.0*6.6*3.0 mm）

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current		Quality Factor	Self-Resonant Frequency	Withstand Voltage
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)		Q (-)	S.R.F (MHz)	V_W (V)
	±20%,100kHz / 1V	MAX.	MAX.	TYP.	MAX.	TYP.	TYP.	MIN.	MAX.
FXL0630-R10-M	0.1	1.2	48.0	56.0	32.0	35.0	10	184	30
FXL0630-R15-M	0.15	2.4	35.0	41.0	25.0	30.0	12	134	30
FXL0630-R22-M	0.22	3	32.0	34.0	21.0	24.0	13	97	30
FXL0630-R22-MR1	0.22	2.5	32.0	34.0	21.0	24.0	13	97	30
FXL0630-R24-M	0.24	3.1	22.4	26.0	18.4	23.0	16	93	30
FXL0630-R33-M	0.33	3.5	22.0	25.0	20.0	21.0	18	74	30
FXL0630-R33-MA1	0.33	3.5	24.0	28.0	20.0	21.0	18	74	30
FXL0630-R47-M	0.47	4.1	18.0	20.0	16.0	18.0	18	56	30
FXL0630-R47-MA1	0.47	4.1	20.0	23.0	16.0	18.0	18	56	30
FXL0630-R56-M	0.56	4.5	16.0	18.0	15.0	16.5	18	46	30
FXL0630-R56-MA1	0.56	4.5	18.0	20.0	15.0	16.5	18	46	30
FXL0630-R68-M	0.68	5.3	15.0	17.0	14.5	16.0	20	43	30
FXL0630-R82-M	0.82	6.0	14.0	16.0	13.0	14.0	20	38	30
FXL0630-R82-MR1	0.82	5.6	14.0	16.0	13.0	14.0	20	38	30
FXL0630-1R0-M	1.0	7.4	13.5	15.0	11.2	12.0	22	33	30
FXL0630-1R0-MV75	1.0	7.4	13.5	15.0	11.2	12.0	22	33	75
FXL0630-1R5-M	1.5	12.1	12.0	14.0	9.5	12.0	25	26	30
FXL0630-2R2-M	2.2	15	10.5	12.0	8.5	9.5	27	21	30
FXL0630-2R2-MV75	2.2	15	10.5	12.0	8.5	9.5	27	21	75
FXL0630-2R7-M	2.7	20	9.0	10.0	8.2	8.2	24	17	30
FXL0630-3R3-M	3.3	22	8.7	9.5	8.0	8.5	28	16	30
FXL0630-3R3-MV75	3.3	22	8.7	9.5	8.0	8.5	28	16	75
FXL0630-4R7-M	4.7	33	7.5	9.0	5.5	6.0	26	12	30
FXL0630-4R7-MV75	4.7	33	7.5	9.0	5.5	6.0	26	12	75
FXL0630-5R6-M	5.6	42	5.5	6.5	5.0	5.5	23	13	30
FXL0630-6R8-M	6.8	48	5.2	6.0	4.5	5.0	26	12	30
FXL0630-8R2-M	8.2	60	5.0	6.0	4.0	5.0	25	10	30
FXL0630-100-M	10	68	4.9	5.5	3.8	4.5	25	10	30
FXL0630-100-MV75	10	68	4.9	5.5	3.8	4.5	25	10	75
FXL0630-150-M	15	115	3.5	4.0	2.6	3.0	25	7.1	30
FXL0630-220-M	22	200	2.5	3.0	2.2	2.5	24	6.3	30
FXL0630-220-MR1	22	175	2.5	3.0	2.2	2.5	24	6.3	30
FXL0630-330-M	33	310	2.1	2.5	1.8	2.0	25	4.4	30
FXL0630-330-MR1	33	230	2.1	2.5	1.8	2.0	25	4.4	30
FXL0630-470-M	47	385	1.8	2.0	1.3	1.5	27	4.2	30

FXL0640 Series（7.0*6.6*4.0 mm）

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current		Quality Factor	Self-Resonant Frequency	Withstand Voltage
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)		Q (-)	S.R.F (MHz)	V_W (V)
	±20%,100kHz / 1V	MAX.	MAX.	TYP.	MAX.	TYP.	TYP.	MIN.	MAX.
FXL0640-R15-M	0.15	1.0	45.0	50.0	36.0	40.0	39	161	30
FXL0640-R15-MA1	0.15	1.0	55.0	60.0	36.0	40.0	39	161	30
FXL0640-R22-M	0.22	1.1	28.0	35.0	32.0	35.0	22	112	30
FXL0640-R68-M	0.68	4.8	17.0	19.0	16.0	17.0	23	44	30
FXL0640-1R0-M	1.0	6.6	15.0	16.0	12.5	13.5	24	32	30
FXL0640-1R0-MV75	1.0	6.6	15.0	16.0	12.5	13.5	24	32	75
FXL0640-1R5-M	1.5	10	12.0	12.5	11.0	12.4	24	26	30
FXL0640-2R2-M	2.2	14	10.0	11.0	8.5	10.0	22	21	30
FXL0640-2R2-MR1	2.2	12	10.0	11.0	8.5	10.0	22	21	30
FXL0640-3R3-M	3.3	20	8.7	9.5	7.8	8.5	23	17	30
FXL0640-3R3-MV75	3.3	20	8.7	9.5	7.8	8.5	23	17	75
FXL0640-4R7-M	4.7	30	8.0	9.0	6.0	6.5	28	12	30
FXL0640-4R7-MR1	4.7	25.5	8.0	9.0	6.0	6.5	28	12	30
FXL0640-6R8-M	6.8	45	6.0	6.5	5.0	5.5	29	12	30
FXL0640-6R8-MR1	6.8	40	6.0	6.5	5.0	5.5	29	12	30
FXL0640-8R2-M	8.2	55	5.0	6.0	4.2	5.2	32	10	30
FXL0640-100-M	10	65	5.0	6.0	4.0	4.8	29	9.0	30
FXL0640-100-MR1	10	55	5.0	6.0	4.0	4.8	29	9.0	30
FXL0640-100-MV75	10	65	5.0	6.0	4.0	4.8	29	9.0	75
FXL0640-150-M	15	95	4.0	4.5	3.2	3.7	31	7.8	30
FXL0640-150-MR1	15	78	4.0	4.5	3.2	3.7	31	7.8	30
FXL0640-220-M	22	125	3.5	4.0	3.0	3.3	28	6.5	30
FXL0640-330-M	33	240	2.5	3.0	2.0	2.2	34	4.6	30
FXL0640-470-M	47	320	2.0	2.5	1.6	1.8	33	4.4	30

FXL0650 Series（7.0*6.6*5.0 mm）

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current		Quality Factor	Self-Resonant Frequency	Withstand Voltage
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)		Q (-)	S.R.F (MHz)	V_W (V)
	±20%,100kHz / 1V	MAX.	MAX.	TYP.	MAX.	TYP.	TYP.	MIN.	MAX.
FXL0650-R47-M	0.47	3.9	16.8	21.0	17.0	20.0	29	58	30
FXL0650-R68-M	0.68	4.5	14.4	18.0	14.5	16.5	21	47	30
FXL0650-1R0-M	1.0	6.6	12.8	16.0	10.0	12.0	20	36	30
FXL0650-1R5-M	1.5	10	10.4	13.0	8.2	9.5	18	27	30
FXL0650-1R5-MR1	1.5	9	10.4	13.0	8.2	9.5	18	27	30
FXL0650-2R2-M	2.2	12.5	8.8	11.0	8.0	9.0	23	22	30
FXL0650-2R2-MR1	2.2	11	8.8	11.0	8.0	9.0	23	22	30
FXL0650-2R2-MV75	2.2	12.5	8.8	11.0	8.0	9.0	23	22	75
FXL0650-3R3-M	3.3	22	8.0	10.0	7.6	8.5	20	16	30
FXL0650-4R7-M	4.7	29	6.4	8.0	5.0	6.0	28	13	30
FXL0650-4R7-MR1	4.7	27	6.4	8.0	5.0	6.0	28	13	30
FXL0650-6R8-M	6.8	41	5.04	6.3	4.0	5.8	32	11	30
FXL0650-6R8-MV75	6.8	41	5.04	6.3	4.0	5.8	32	11	75
FXL0650-8R2-M	8.2	48	4.4	5.5	4.8	5.5	28	9.0	30
FXL0650-8R2-MY1	8.2	38	6.0	7.0	4.8	5.5	28	9.0	30
FXL0650-100-M	10	60	4.24	5.3	3.8	4.5	29	8.0	30
FXL0650-100-MY1	10	55	5.5	6.5	3.8	4.5	29	8.0	30
FXL0650-100-MV75	10	60	4.24	5.3	3.8	4.5	29	8.0	75
FXL0650-150-M	15	90	3.2	4.0	2.6	3.1	34	7.6	30
FXL0650-150-MR1	15	82	3.2	4.0	2.6	3.1	34	7.6	30
FXL0650-220-M	22	140	2.8	3.5	2.0	2.6	29	6.3	30
FXL0650-330-M	33	190	2.4	3.0	1.8	2.3	30	5.0	30
FXL0650-470-M	47	230	2.08	2.6	1.5	2.0	35	3.8	30
FXL0650-680-M	68	320	2.0	2.5	1.3	1.8	35	3.4	30

FXL0840 Series（8.8*8.2*4.0 mm）

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current		Quality Factor	Self-Resonant Frequency	Withstand Voltage
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)		Q (-)	S.R.F (MHz)	V_W (V)
	±20%,100kHz / 1V	MAX.	MAX.	TYP.	MAX.	TYP.	TYP.	MIN.	MAX.
FXL0840-R22-M	0.22	1.8	55.0	60.0	30.0	36.0	10	112	30
FXL0840-R33-M	0.33	2.4	40.0	45.0	25.0	30.0	22	75	30
FXL0840-R47-M	0.47	2.8	36.0	42.0	25.0	28.0	32	48	30
FXL0840-R56-M	0.56	3.2	23.0	26.0	22.0	24.0	22	59	30
FXL0840-R68-M	0.68	3.8	22.0	24.0	21.0	23.0	21	54	30
FXL0840-R82-M	0.82	4.4	19.0	21.0	19.0	21.0	21	40	30
FXL0840-1R0-M	1.0	4.62	17.0	19.0	17.0	19.0	18	33	30
FXL0840-1R5-M	1.5	7.6	15.0	17.0	15.0	17.0	21	24	30
FXL0840-1R8-M	1.8	11	13.5	15.0	12.5	15.0	24	23	30
FXL0840-2R2-M	2.2	11.4	12.0	14.0	12.0	14.0	23	21	30
FXL0840-2R2-MV75	2.2	11.4	12.0	14.0	12.0	14.0	23	21	75
FXL0840-3R3-M	3.3	15	11.0	12.5	10.0	12.0	29	14	30
FXL0840-4R7-M	4.7	26.5	10.5	11.5	8.5	9.5	29	14	30
FXL0840-5R6-M	5.6	30	10.0	11.0	8.0	9.0	29	12	30
FXL0840-6R8-M	6.8	36.8	8.0	9.0	7.0	8.0	31	9.7	30
FXL0840-8R2-M	8.2	46	7.7	8.7	6.0	7.0	35	9.0	30
FXL0840-100-M	10.0	59	7.0	8.0	5.5	6.5	32	7.8	30
FXL0840-100-MR1	10.0	48	7.0	8.0	5.5	6.5	32	7.8	30
FXL0840-100-MV75	10.0	59	7.0	8.0	5.5	6.5	32	7.8	75
FXL0840-150-M	15.0	71	4.9	5.5	4.8	5.4	33	6.7	30
FXL0840-150-MR1	15.0	68	4.9	5.5	4.8	5.4	33	6.7	30
FXL0840-150-MV75	15.0	71	4.9	5.5	4.8	5.4	33	6.7	75
FXL0840-220-M	22.0	113	4.5	5.0	4.2	4.8	28	5.3	30
FXL0840-220-MV75	22.0	113	4.5	5.0	4.2	4.8	28	5.3	75
FXL0840-330-M	33.0	156	3.3	3.5	3.0	3.5	33	4.6	30
FXL0840-330-MV75	33.0	156	3.3	3.5	3.0	3.5	33	4.6	75
FXL0840-470-M	47.0	225	2.9	3.1	2.5	2.9	34	4.0	30

※ Click on the self-resonant frequency value to jump directly to the corresponding curve

点击自谐振频率值，即可跳转到对应的曲线

FXL0850 Series（8.8*8.2*5.0 mm）

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current		Quality Factor	Self-Resonant Frequency	Withstand Voltage
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)		Q (-)	S.R.F (MHz)	V_W (V)
	±20%,100kHz / 1V	MAX.	MAX.	TYP.	MAX.	TYP.	TYP.	MIN.	MAX.
FXL0850-R50-M	0.50	2.4	30.0	40.5	25.0	28.1	13	64	30
FXL0850-2R2-M	2.2	12	14.0	16.0	8.5	10.0	27	21	30
FXL0850-2R2-MV75	2.2	12	14.0	16.0	8.5	10.0	27	21	75
FXL0850-3R3-M	3.3	15	11.5	13.0	8.0	9.0	23	16	30
FXL0850-4R7-M	4.7	20	10.5	12.0	7.0	8.0	26	12	30
FXL0850-4R7-MV75	4.7	20	10.5	12.0	7.0	8.0	26	12	75
FXL0850-100-M	10	45	7.0	8.0	4.8	5.5	30	8.0	30
FXL0850-150-M	15	50	6.0	7.0	4.5	5.0	34	6.1	30
FXL0850-220-M	22	88	4.8	5.5	3.5	4.0	34	4.8	30
FXL0850-220-MV75	22	88	4.8	5.5	3.5	4.0	34	4.8	75
FXL0850-330-M	33	140	4.5	5.0	2.5	3.0	40	3.6	30
FXL0850-470-M	47	195	3.0	3.5	2.2	2.5	37	3.3	30
FXL0850-680-M	68	265	2.5	3.0	1.7	2.0	36	3.2	30
FXL0850-101-M	100	326	2.0	2.5	1.3	1.5	34	2.3	30

FXL1030 Series（11.5*10.0*3.0 mm）

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current		Quality Factor	Self-Resonant Frequency	Withstand Voltage
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)		Q (-)	S.R.F (MHz)	V_W (V)
	±20%,100kHz / 1V	MAX.	MAX.	TYP.	MAX.	TYP.	TYP.	MIN.	MAX.
FXL1030-R22-M	0.22	1.2	44.24	50.0	29.2	33.0	25	97	30
FXL1030-R33-M	0.33	1.6	28.3	32.0	20.35	23.0	35	66	30
FXL1030-R36-M	0.36	1.6	24.8	28.0	20.35	23.0	43	72	30
FXL1030-R47-M	0.47	2.5	23.0	26.0	19.47	22.0	35	56	30
FXL1030-R82-M	0.82	3.7	20.35	23.0	15.93	18.0	29	38	30
FXL1030-1R0-M	1.0	6	18.58	21.0	13.27	15.0	26	29	30
FXL1030-1R0-MV75	1.0	6	18.58	21.0	13.27	15.0	26	29	75
FXL1030-2R2-M	2.2	9	12.38	14.0	9.73	11.0	20	17	30
FXL1030-2R2-MV75	2.2	9	12.38	14.0	9.73	11.0	20	17	75
FXL1030-3R3-M	3.3	16	10.61	12.0	7.96	9.0	24	14	30
FXL1030-4R7-M	4.7	24	8.84	10.0	6.19	7.0	27	11	30
FXL1030-4R7-MV75	4.7	24	8.84	10.0	6.19	7.0	27	11	75
FXL1030-8R2-M	8.2	45	6.2	7.0	4.42	5.0	29	8.0	30
FXL1030-330-M	33	160	3.53	4.0	2.3	2.6	36	4.1	30

※ Click on the self-resonant frequency value to jump directly to the corresponding curve

点击自谐振频率值，即可跳转到对应的曲线

FXL1040 Series（11.5*10.0*4.0 mm）

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current		Quality Factor	Self-Resonant Frequency	Withstand Voltage
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)		Q (-)	S.R.F (MHz)	V_W (V)
	±20%,100kHz / 1V	MAX.	MAX.	TYP.	MAX.	TYP.	TYP.	MIN.	MAX.
FXL1040-R15-M	0.15	0.65	60.0	75.0	40.0	45.0	7.3	117	30
FXL1040-R22-M	0.22	1	48.0	60.0	30.0	35.0	30	92	30
FXL1040-R30-M	0.30	1.1	36.0	50.0	30.0	35.0	27	66	30
FXL1040-R30-MA1	0.30	1.1	40.0	55.0	30.0	35.0	27	66	30
FXL1040-R36-M	0.36	1.2	36.0	50.0	25.0	30.0	26	62	30
FXL1040-R36-MA1	0.36	1.2	40.0	55.0	25.0	30.0	26	62	30
FXL1040-R47-M	0.47	1.7	32.0	40.0	25.0	30.0	22	61	30
FXL1040-R56-M	0.56	1.8	26.4	33.0	20.0	25.0	25	40	30
FXL1040-R68-M	0.68	2.4	24.0	30.0	19.0	23.0	15	45	30
FXL1040-R80-M	0.80	2.7	23.2	29.0	19.0	23.0	18	42	30
FXL1040-1R0-M	1.0	3.3	22.4	28.0	16.0	19.0	25	35	30
FXL1040-1R0-MA1	1.0	3.3	24.0	30.0	16.0	19.0	25	35	30
FXL1040-1R0-MV75	1.0	3.3	22.4	28.0	16.0	19.0	25	35	75
FXL1040-1R5-M	1.5	4.2	19.2	26.0	14.0	16.0	28	27	30
FXL1040-2R2-M	2.2	7	13.2	18.0	10.0	12.0	28	18	30
FXL1040-2R2-MY1	2.2	6.3	13.2	20.0	10.0	15.0	28	18	30
FXL1040-3R3-M	3.3	11.8	12.8	16.0	9.5	11.0	36	13	30
FXL1040-3R3-MR1	3.3	10.5	12.8	16.0	9.5	11.0	36	13	30
FXL1040-4R7-M	4.7	20	10.4	15.0	7.5	9.0	30	10	30
FXL1040-4R7-MV75	4.7	20	10.4	15.0	7.5	9.0	30	10	75
FXL1040-5R6-M	5.6	22	9.6	12.0	6.8	8.5	32	11	30
FXL1040-6R8-M	6.8	25	9.6	12.0	7.0	8.5	38	9.0	30
FXL1040-6R8-MR1	6.8	21	9.6	12.0	7.0	8.5	38	9.0	30
FXL1040-8R2-M	8.2	27	7.2	9.0	6.8	8.0	24	9.2	30
FXL1040-100-M	10	30	6.8	8.5	6.9	7.8	26	7.1	30
FXL1040-100-MV75	10	30	6.8	8.5	6.9	7.8	26	7.1	75
FXL1040-150-M	15	45	5.6	7.0	5.6	6.5	32	6.5	30
FXL1040-220-M	22	66	4.4	5.5	4.2	5.0	23	5.0	30
FXL1040-330-M	33	92	3.84	5.0	3.8	4.4	30	3.8	30
FXL1040-470-M	47	145	3.1	3.5	2.8	3.3	45	3.4	30
FXL1040-560-M	56	185	2.5	3.2	2.2	2.8	28	3.6	30
FXL1040-560-MY1	56	175	3.2	4.0	2.2	2.8	28	3.6	30
FXL1040-680-M	68	195	2.4	3.0	2.0	2.5	35	2.7	30
FXL1040-820-M	82	285	2.3	2.8	2.1	2.3	28	2.3	30
FXL1040-101-M	100	340	2.1	2.3	1.8	2.0	34	2.1	30

FXL1050 Series（11.5*10.0*5.0 mm）

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current		Quality Factor	Self-Resonant Frequency	Withstand Voltage
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)		Q (-)	S.R.F (MHz)	V_W (V)
	±20%,100kHz / 1V	MAX.	MAX.	TYP.	MAX.	TYP.	TYP.	MIN.	MAX.
FXL1050-R22-M	0.22	0.8	57.5	65.0	32.5	37.0	14	100	30
FXL1050-1R0-M	1.0	3	28.0	30.0	20.3	23.0	35	35	30
FXL1050-1R0-MV75	1.0	3	28.0	30.0	20.3	23.0	35	35	75
FXL1050-1R5-M	1.5	3.8	22.0	25.0	18.5	21.0	24	25	30
FXL1050-2R2-M	2.2	6	16.8	19.0	13.2	15.0	26	17	30
FXL1050-2R2-MR1	2.2	5.5	16.8	19.0	13.2	15.0	26	17	30
FXL1050-3R3-M	3.3	10	14.0	16.0	11.5	13.0	29	13	30
FXL1050-3R3-MR1	3.3	9	14.0	16.0	11.5	13.0	29	13	30
FXL1050-4R7-M	4.7	14	13.2	15.0	9.7	11.0	37	10	30
FXL1050-4R7-MY1	4.7	10.5	13.2	16.0	9.7	15.0	37	10	30
FXL1050-4R7-MV75	4.7	14	13.2	15.0	9.7	11.0	37	10	75
FXL1050-5R6-M	5.6	17	12.3	14.0	8.5	9.5	34	9.7	30
FXL1050-5R6-MR1	5.6	15	12.3	14.0	8.5	9.5	34	9.7	30
FXL1050-6R8-M	6.8	18.5	12.3	14.0	8.0	9.0	33	9.0	30
FXL1050-6R8-MR1	6.8	15	12.3	14.0	8.0	9.0	33	9.0	30
FXL1050-100-M	10	28	8.8	10.0	7.0	8.0	25	6.5	30
FXL1050-100-MR1	10	24	8.8	10.0	7.0	8.0	25	6.5	30
FXL1050-150-M	15	42	6.5	7.5	5.7	6.5	26	5.9	30
FXL1050-220-M	22	50	5.3	6.0	5.0	5.5	26	5.0	30
FXL1050-220-MV75	22	50	5.3	6.0	5.0	5.5	26	5.0	75
FXL1050-330-M	33	86	4.6	5.2	4.2	4.8	31	3.4	30
FXL1050-330-MR1	33	75	4.6	5.2	4.2	4.8	31	3.4	30
FXL1050-470-M	47	127	4.0	4.5	3.2	3.7	34	3.4	30
FXL1050-470-MR1	47	120	4.0	4.5	3.2	3.7	34	3.4	30
FXL1050-680-M	68	180	2.8	3.5	2.4	2.7	43	2.7	30
FXL1050-680-MA1	68	180	3.2	4.2	2.4	2.7	43	2.7	30
FXL1050-101-M	100	290	2.5	2.8	1.8	2.1	41	2.3	30

FXL1340 Series（13.45*12.8*4.0 mm）

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current		Quality Factor	Self-Resonant Frequency	Withstand Voltage
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)		Q (-)	S.R.F (MHz)	V_W (V)
	±20%,100kHz / 1V	MAX.	MAX.	TYP.	MAX.	TYP.	TYP.	MIN.	MAX.
FXL1340-R22-M	0.22	0.9	40.0	50.0	38.0	42.0	20	94	30
FXL1340-R47-M	0.47	2	38.4	48.0	29.0	33.0	26	47	30
FXL1340-R68-M	0.68	3.5	37.6	47.0	24.0	28.0	24	47	30
FXL1340-R82-M	0.82	4.5	32.0	40.0	24.0	28.0	30	35	30
FXL1340-1R0-M	1.0	7.5	28.0	35.0	20.0	24.0	25	33	30
FXL1340-1R0-MV75	1.0	7.5	28.0	35.0	20.0	24.0	25	33	75
FXL1340-1R5-M	1.5	9.5	24.4	30.5	17.0	20.0	41	22	30
FXL1340-2R2-M	2.2	11.5	20.8	26.0	15.0	18.0	34	16	30
FXL1340-3R3-M	3.3	13	16.8	21.0	13.0	15.0	35	14	30
FXL1340-4R7-M	4.7	14.5	14.4	18.0	11.0	13.0	45	9.7	30
FXL1340-4R7-MV75	4.7	14.5	14.4	18.0	11.0	13.0	45	9.7	75
FXL1340-6R8-M	6.8	20	11.2	14.0	8.0	9.0	40	8.2	30
FXL1340-100-M	10	25	8.0	10.0	7.0	8.0	26	7.6	30
FXL1340-150-M	15	39	6.0	7.5	5.8	6.5	26	4.6	30
FXL1340-220-M	22	51	4.8	6.0	3.8	4.5	23	5.3	30
FXL1340-220-MV75	22	51	4.8	6.0	3.8	4.5	23	5.3	75

※ Click on the self-resonant frequency value to jump directly to the corresponding curve

点击自谐振频率值，即可跳转到对应的曲线

FXL1350 Series（13.45*12.6*5.0 mm）

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current		Quality Factor	Self-Resonant Frequency	Withstand Voltage
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)		Q (-)	S.R.F (MHz)	V_W (V)
	±20%,100kHz / 1V	MAX.	MAX.	TYP.	MAX.	TYP.	TYP.	MIN.	MAX.
FXL1350-R22-M	0.22	0.7	60.0	75.0	45.0	50.0	42	76	30
FXL1350-R36-M	0.36	0.85	40.0	50.0	37.0	42.0	36	54	30
FXL1350-R50-M	0.50	1.15	38.4	48.0	33.0	38.0	43	46	30
FXL1350-R68-M	0.68	1.55	36.8	46.0	29.0	33.0	40	40	30
FXL1350-R82-M	0.82	1.67	31.2	39.0	26.0	30.0	37	37	30
FXL1350-1R0-M	1.0	2.2	28.0	35.0	22.0	26.0	36	31	30
FXL1350-1R5-M	1.5	3.2	26.4	33.0	19.0	23.0	27	24	30
FXL1350-2R2-M	2.2	5	19.2	24.0	13.0	15.0	34	19	30
FXL1350-2R2-MA1	2.2	5	22.0	26.0	13.0	15.0	34	19	30
FXL1350-3R3-M	3.3	7	17.6	22.0	12.0	14.0	31	13	30
FXL1350-3R3-MV75	3.3	7	17.6	22.0	12.0	14.0	31	13	75
FXL1350-4R7-M	4.7	9	16.0	21.0	11.0	13.0	32	11	30
FXL1350-4R7-MV75	4.7	9	16.0	21.0	11.0	13.0	32	11	75
FXL1350-6R8-M	6.8	18	12.8	16.0	10.0	12.0	28	9.0	30
FXL1350-6R8-MR1	6.8	14	12.8	16.0	10.0	12.0	28	9.0	30
FXL1350-8R2-M	8.2	20	11.0	13.0	8.2	9.5	37	6.5	30
FXL1350-100-M	10	22	9.6	12.0	8.0	9.0	34	6.5	30
FXL1350-100-MV75	10	22	9.6	12.0	8.0	9.0	34	6.5	75
FXL1350-150-M	15	30	8.0	10.0	7.0	8.0	31	5.9	30
FXL1350-220-M	22	58	5.2	6.5	3.8	4.5	28	4.2	30
FXL1350-220-MR1	22	38	5.2	6.5	3.8	4.5	28	4.2	30
FXL1350-330-M	33	84	4.8	6.0	2.8	3.5	26	3.8	30
FXL1350-330-MR1	33	70	4.8	6.0	2.8	3.5	26	3.8	30
FXL1350-470-M	47	130	4.0	5.0	2.6	3.0	30	2.9	30
FXL1350-470-MY1	47	120	5.0	6.0	2.6	3.0	30	2.9	30

FXL1360 Series（13.45*12.6*6.0 mm）

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current		Quality Factor	Self-Resonant Frequency	Withstand Voltage
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)		Q (-)	S.R.F (MHz)	V_W (V)
	±20%,100kHz / 1V	MAX.	MAX.	TYP.	MAX.	TYP.	TYP.	MIN.	MAX.
FXL1360-1R0-M	1.0	2.3	28.0	31.0	24.0	28.0	29	27	30
FXL1360-1R0-MV75	1.0	2.3	28.0	31.0	24.0	28.0	29	27	75
FXL1360-2R2-M	2.2	4.2	24.0	28.0	18.0	22.0	34	16	30
FXL1360-2R2-MR1	2.2	3.6	24.0	28.0	18.0	22.0	34	16	30
FXL1360-3R3-M	3.3	6.8	21.0	25.0	14.0	17.0	35	13	30
FXL1360-4R7-M	4.7	9	19.2	24.0	12.0	15.0	34	9.9	30
FXL1360-4R7-MV75	4.7	9	19.2	24.0	12.0	15.0	34	9.9	75
FXL1360-5R6-M	5.6	11	18.0	22.5	11.0	13.0	36	9.5	30
FXL1360-5R6-MR1	5.6	9.6	18.0	22.5	11.0	13.0	36	9.5	30
FXL1360-6R8-M	6.8	13.5	15.2	19.0	10.0	12.0	30	8.2	30
FXL1360-6R8-MR1	6.8	12	15.2	19.0	10.0	12.0	30	8.2	30
FXL1360-8R2-M	8.2	16	10.8	13.5	9.0	11.0	31	6.1	30
FXL1360-8R2-MR1	8.2	14	10.8	13.5	9.0	11.0	31	6.1	30
FXL1360-100-M	10	20.7	11.1	12.5	8.5	10.0	32	6.1	30
FXL1360-100-MY1	10	16	12.0	15.0	8.5	10.0	32	6.1	30
FXL1360-120-M	12	23	8.0	10.0	5.8	7.0	29	5.5	30
FXL1360-150-M	15	29	7.2	9.0	4.9	6.0	32	5.5	30
FXL1360-180-M	18	35	6.4	8.0	4.3	5.0	24	5.0	30
FXL1360-180-MR1	18	33	6.4	8.0	4.3	5.0	24	5.0	30
FXL1360-220-M	22	39.5	6.0	7.5	4.15	5.0	27	4.4	30
FXL1360-270-M	27	56	5.2	6.5	3.3	4.0	28	4.0	30
FXL1360-330-M	33	75	4.8	6.0	3.15	4.0	28	3.2	30
FXL1360-330-MY1	33	60	5.5	7.5	3.15	4.0	28	3.2	30
FXL1360-470-M	47	90	4.4	5.5	2.9	3.5	32	2.5	30
FXL1360-470-MR1	47	80	4.4	5.5	2.9	3.5	32	2.5	30
FXL1360-680-M	68	140	3.6	4.5	2.5	3.0	23	2.5	30
FXL1360-101-M	100	200	2.8	3.5	2.1	2.5	38	1.7	30
FXL1360-101-MY1	100	180	3.2	4.0	2.1	2.5	38	1.7	30
FXL1360-121-M	120	235	2.56	3.2	1.7	2.0	39	1.7	30
FXL1360-151-M	150	350	2.16	2.7	1.2	1.5	53	1.5	30
FXL1360-151-MY1	150	230	2.2	3.0	1.2	1.5	53	1.5	30

FXL1365 Series（13.45*12.6*6.5 mm）

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current		Quality Factor	Self-Resonant Frequency	Withstand Voltage
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)		Q (-)	S.R.F (MHz)	V_W (V)
	±20%,100kHz / 1V	MAX.	MAX.	TYP.	MAX.	TYP.	TYP.	MIN.	MAX.
FXL1365-2R2-M	2.2	4.2	22.4	28.0	16.8	21.0	34	18	30
FXL1365-2R2-MV75	2.2	4.2	22.4	28.0	16.8	21.0	34	18	75
FXL1365-3R3-M	3.3	6.8	20.0	23.0	15.5	18.0	30	13	30
FXL1365-4R7-M	4.7	8.5	20.0	24.0	13.0	16.0	34	11	30
FXL1365-5R6-M	5.6	10.5	18.0	22.5	12.0	14.0	27	11	30
FXL1365-6R8-M	6.8	12	17.0	19.0	11.0	13.0	30	8.0	30
FXL1365-6R8-MV75	6.8	12	17.0	19.0	11.0	13.0	30	8.0	75
FXL1365-8R2-M	8.2	14	14.0	16.0	9.0	12.0	32	6.9	30
FXL1365-100-M	10	16.5	13.5	15.0	10.0	11.0	29	6.5	30
FXL1365-100-MV75	10	16.5	13.5	15.0	10.0	11.0	29	6.5	75
FXL1365-150-M	15	26	8.0	11.0	6.5	9.5	30	5.3	30
FXL1365-220-M	22	36	7.0	9.0	6.0	8.0	32	4.4	30
FXL1365-330-M	33	65	6.0	8.0	4.8	6.5	34	2.7	30
FXL1365-330-MR1	33	55	6.0	8.0	4.8	6.5	34	2.7	30
FXL1365-470-M	47	70	5.0	6.8	4.5	5.5	29	2.9	30
FXL1365-680-M	68	120	4.8	5.2	4.0	4.8	33	2.5	30
FXL1365-820-M	82	135	4.0	4.5	3.5	4.0	37	2.1	30
FXL1365-101-M	100	170	3.2	4.0	3.0	3.5	36	1.7	30

FXL1770 Series（17.15*17.15*7.0 mm）

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current		Quality Factor	Self-Resonant Frequency	Withstand Voltage
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)		Q (-)	S.R.F (MHz)	V_W (V)
	±20%,100kHz / 1V	MAX.	MAX.	TYP.	MAX.	TYP.	TYP.	MIN.	MAX.
FXL1770-2R2-M	2.2	2.5	30.0	34.0	25.5	29.0	39	13	30
FXL1770-3R3-M	3.3	3.95	26.0	30.0	21.0	24.0	41	12	30
FXL1770-3R3-MV75	3.3	3.95	26.0	30.0	21.0	24.0	41	12	75
FXL1770-4R7-M	4.7	4.75	21.0	24.0	18.5	21.0	43	8.6	30
FXL1770-6R8-M	6.8	7.5	19.5	22.0	15.0	17.0	41	7.6	30
FXL1770-6R8-MV75	6.8	7.5	19.5	22.0	15.0	17.0	41	7.6	75
FXL1770-8R2-M	8.2	8.7	17.5	20.0	11.5	13.0	37	7.1	30
FXL1770-100-M	10	9.9	16.5	19.0	10.5	12.0	36	5.7	30
FXL1770-150-M	15	17	12.5	14.5	9.5	11.0	29	5.3	30
FXL1770-220-M	22	23	10.0	11.5	7.5	8.5	28	3.8	30
FXL1770-220-MV75	22	23	10.0	11.5	7.5	8.5	28	3.8	75
FXL1770-330-M	33	37	8.5	10.0	7.0	8.0	44	2.5	30
FXL1770-470-M	47	47	6.5	7.5	5.3	6.0	34	2.3	30
FXL1770-680-M	68	85	5.5	6.5	4.5	5.2	38	2.1	30
FXL1770-101-M	100	130	4.4	5.0	3.2	3.7	30	1.5	30

※ Click on the self-resonant frequency value to jump directly to the corresponding curve

点击自谐振频率值，即可跳转到对应的曲线

FXL2213 Series（23.5*22.0*13.0 mm）

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current		Quality Factor	Self-Resonant Frequency	Withstand Voltage
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)		Q (-)	S.R.F (MHz)	V_W (V)
	±20%,100kHz / 1V	MAX.	MAX.	TYP.	MAX.	TYP.	TYP.	MIN.	MAX.
FXL2213-1R0-M	1.0	0.95	54.0	60.0	65.0	70.0	52	21	30
FXL2213-1R5-M	1.5	1.15	48.0	52.0	57.0	62.0	42	16	
FXL2213-2R2-M	2.2	1.25	43.0	48.0	52.0	58.0	50	12	
FXL2213-3R3-M	3.3	1.75	37.0	41.0	47.0	49.0	62	9.9	
FXL2213-4R7-M	4.7	2.2	34.0	38.0	44.0	47.0	55	7.1	
FXL2213-6R8-M	6.8	3.1	32.0	36.0	36.0	40.0	57	5.9	
FXL2213-100-M	10	4.15	20.0	28.0	30.0	33.0	68	4.8	
FXL2213-150-M	15	6.12	18.0	23.0	23.0	26.0	54	3.6	
FXL2213-220-M	22	11	14.0	15.0	18.0	22.0	46	3.2	
FXL2213-330-M	33	15.4	10.5	12.0	16.0	19.0	42	2.5	
FXL2213-470-M	47	20.8	10.0	12.0	14.0	17.0	32	2.1	
FXL2213-680-M	68	29.5	9.0	12.0	12.0	14.0	33	1.8	
FXL2213-820-M	82	34.2	7.7	9.0	10.0	12.0	36	1.5	
FXL2213-101-M	100	40	7.5	9.0	9.5	11.0	35	1.3	

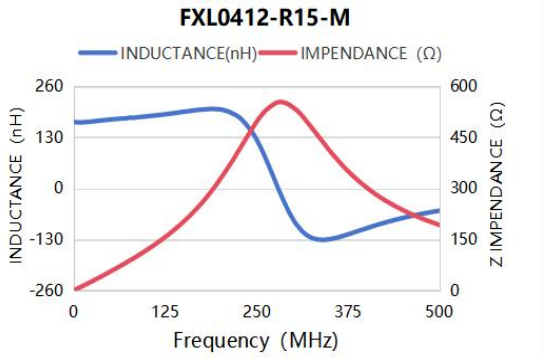
Notes

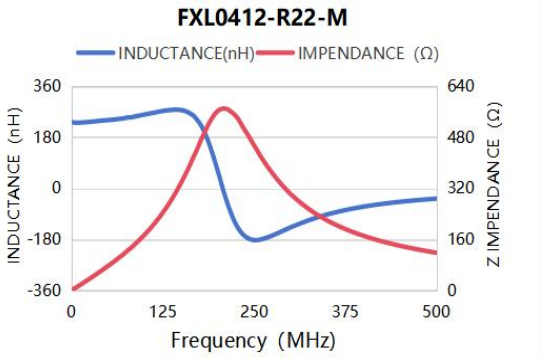
1. All test data is referenced to 25 °C ambient.
2. Operating temperature range - 55 °C to + 125 °C.
3. Test conditions for Isat and Q :100KHz,1.0Vrms.
4. Isat (MAX) ： DC current at which the inductance drops approximately 30% from its value without current.
5. Irms (MAX) : DC current that causes thetemperature rise(△T = 20°C)form 25°C ambient.
6. Irms (TYP) : DC current that causes the temperature rise(△T = 40°C) form 25°C ambient.
7. The meanings of the different suffixes are as follows:
   A1: Higher current ; R1: Lower DCR ; Y1: Optimized for current and DCR ; V50/75: The maximum voltage is 50 or 75V.
8. Storage temperature range (packaging conditions): -10°C~+40°C and RH 70% (Max.).
9. The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions,all affect the part temperature. Part temperature should be verified in the end application.
10. For customized inductance values beyond standard specifications or special requirements regarding DC Resistance (DCR), saturation current (Isat), temperature rise current(Irms) and withstand voltage(v_w), we can offer customized products.If you have any needs, please contact us.

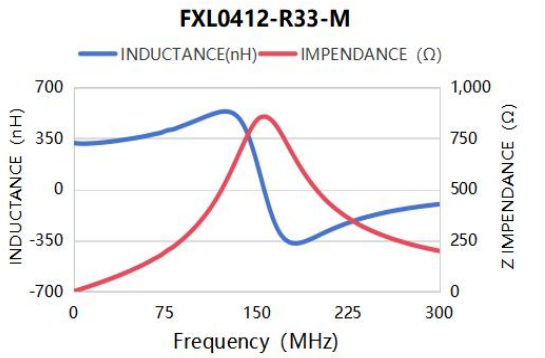
8.Typical Performance Curves

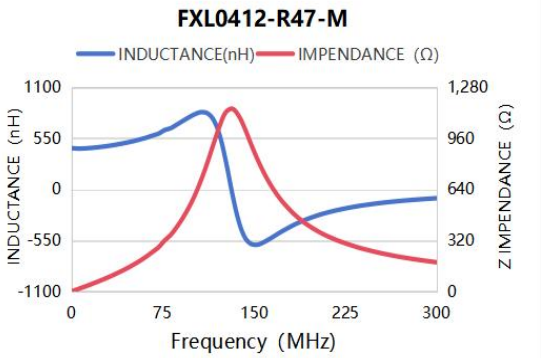
（1）Inductance and Impendance vs Frequency Characteristics

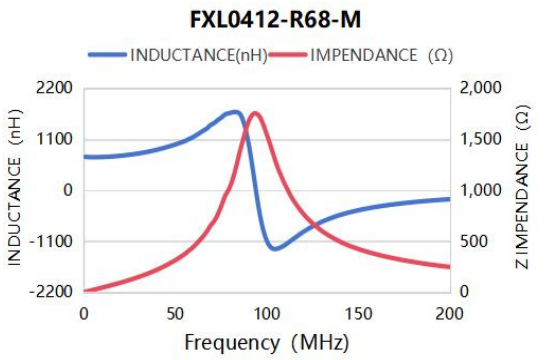
FXL0412 Series

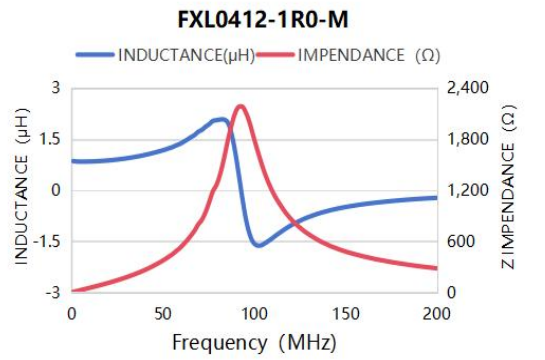


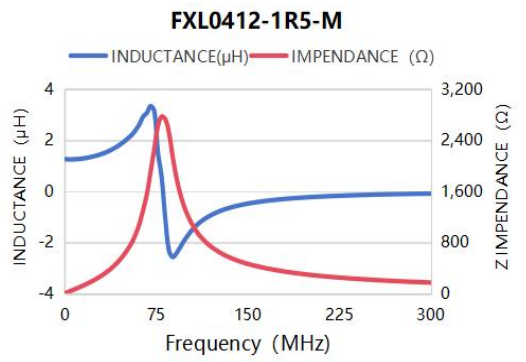


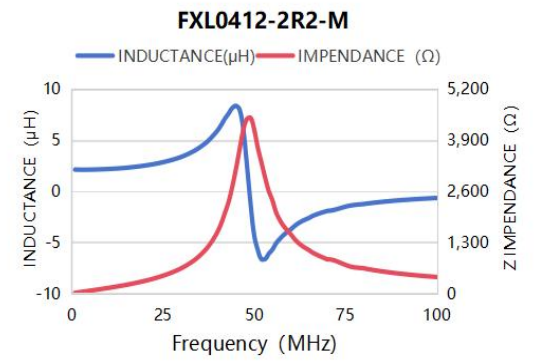








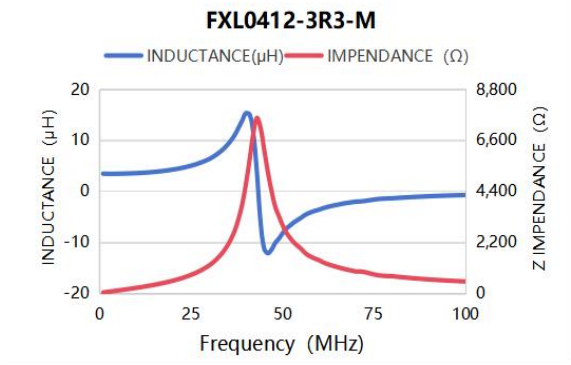


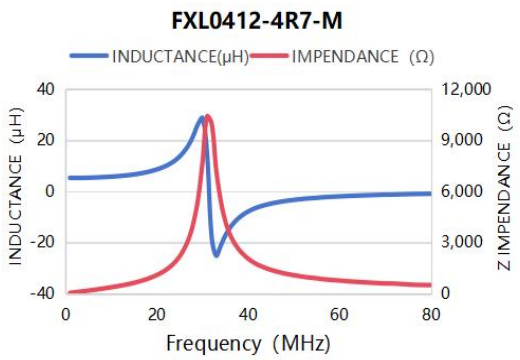


12.Typical Performance Curves

（1）Inductance and Impendance vs Frequency Characteristics

FXL0412 Series



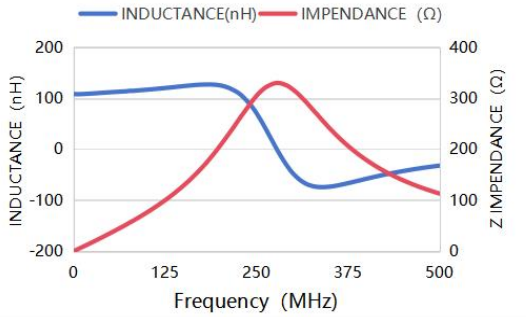


12.Typical Performance Curves

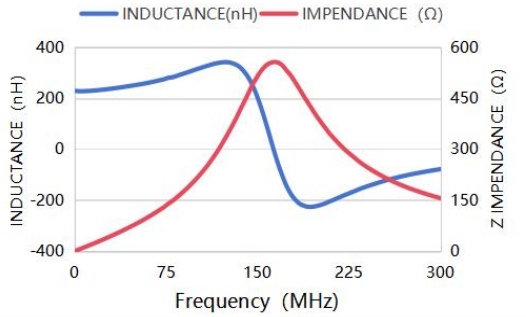
（1）Inductance and Impendance vs Frequency Characteristics

FXL0420 Series

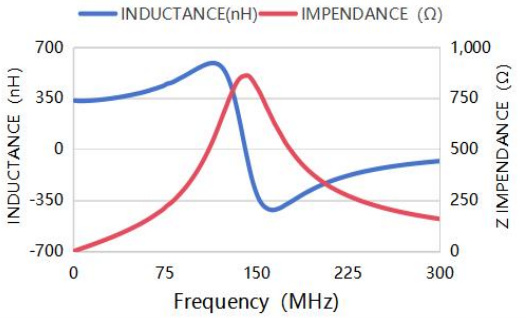
FXL0420-R10-M



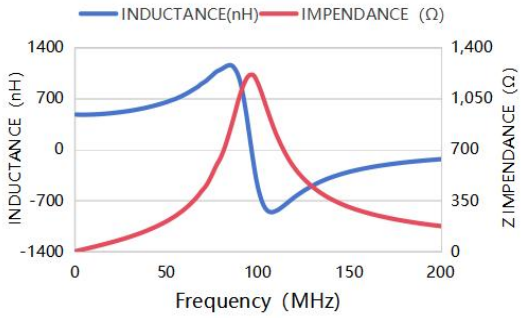
FXL0420-R22-M



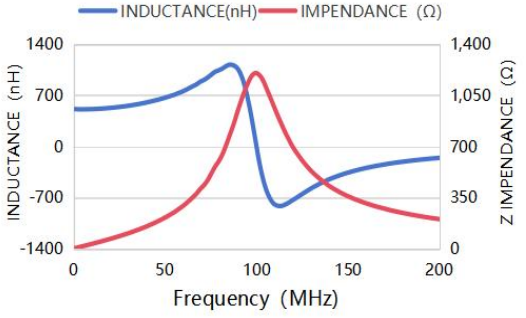
FXL0420-R33-M



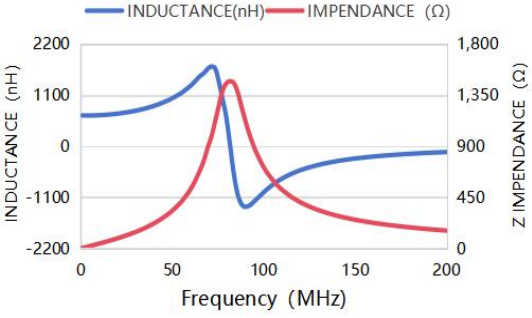
FXL0420-R47-M



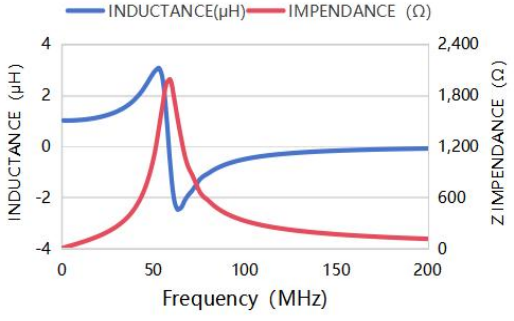
FXL0420-R56-M



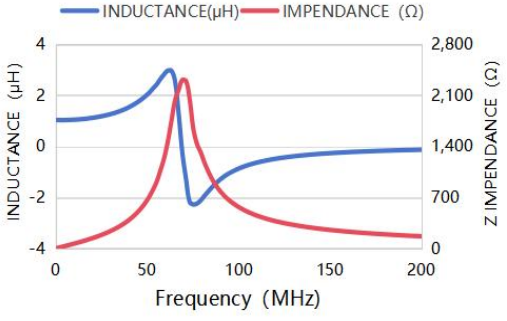
FXL0420-R68-M



FXL0420-1R0-M



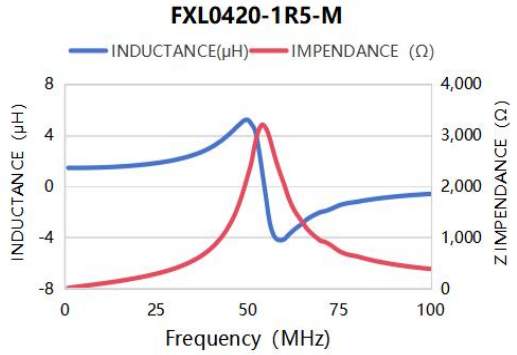
FXL0420-1R2-M

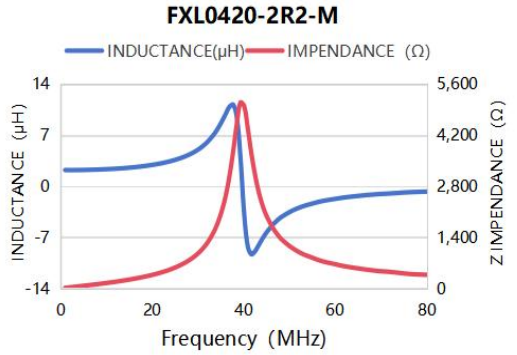


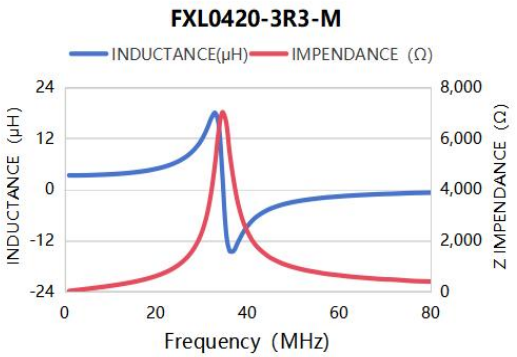
12.Typical Performance Curves

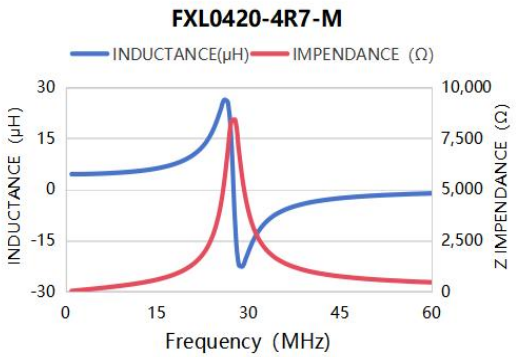
（1）Inductance and Impendance vs Frequency Characteristics

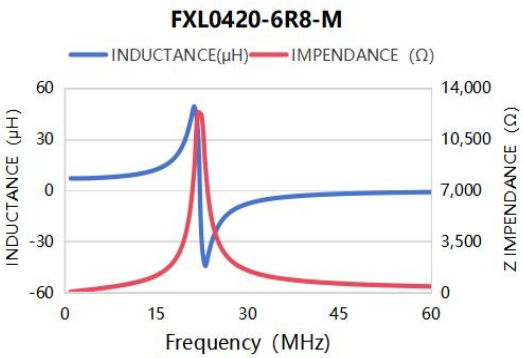
FXL0420 Series

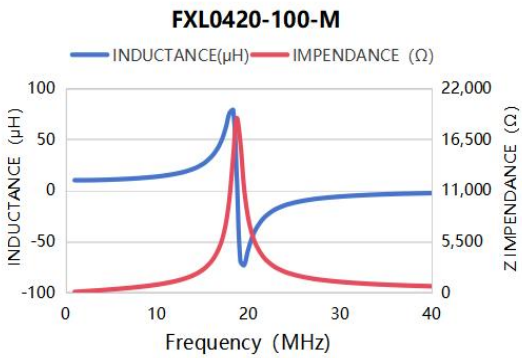


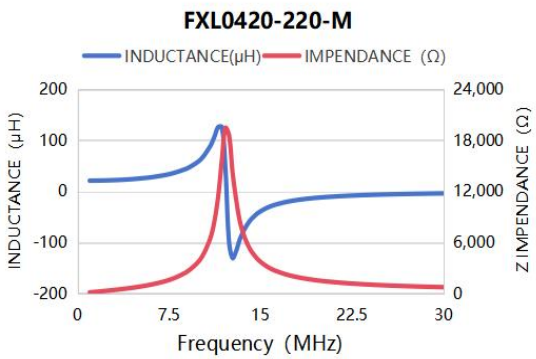








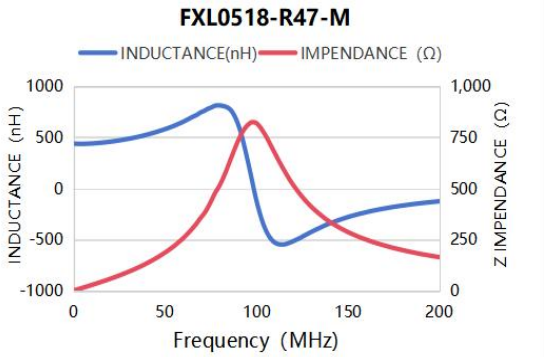


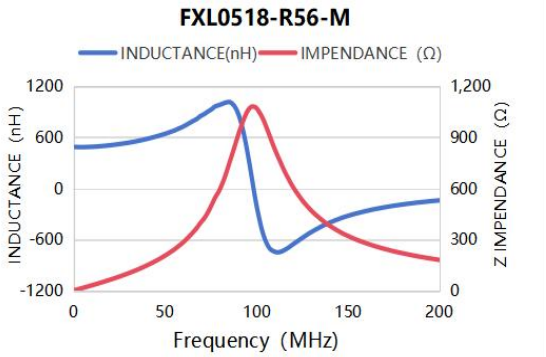


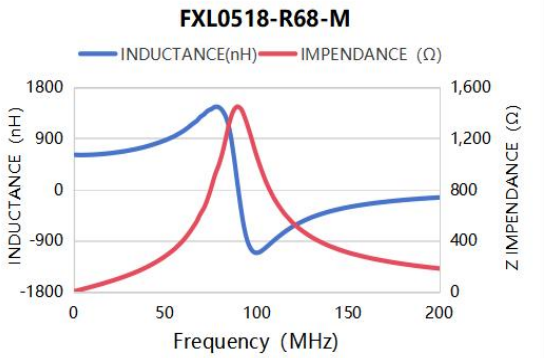
12.Typical Performance Curves

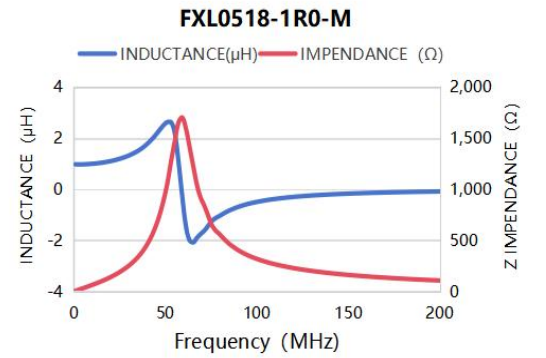
（1）Inductance and Impendance vs Frequency Characteristics

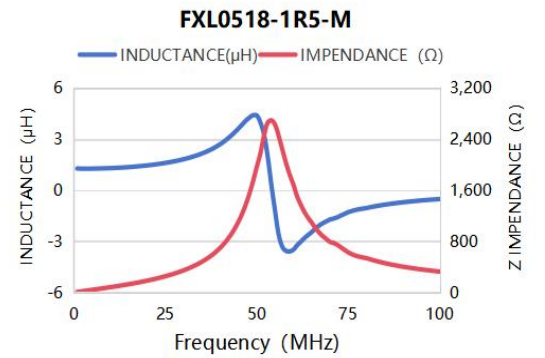
FXL0518 Series

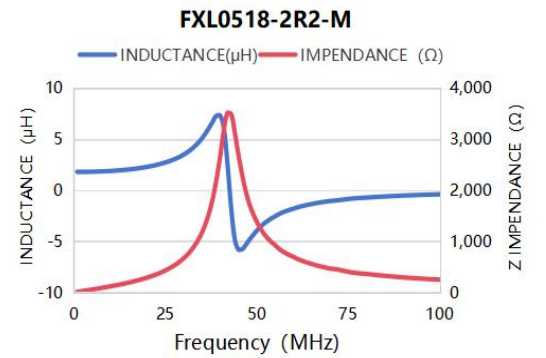


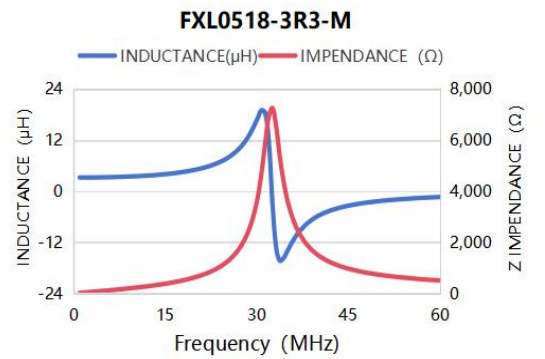


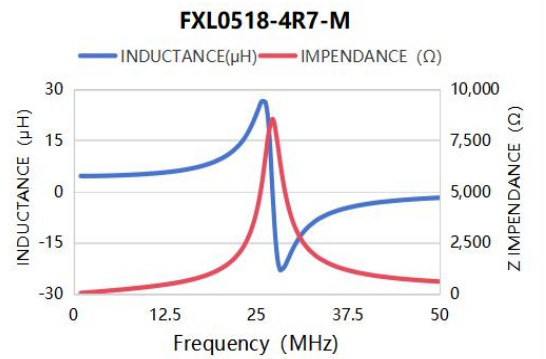








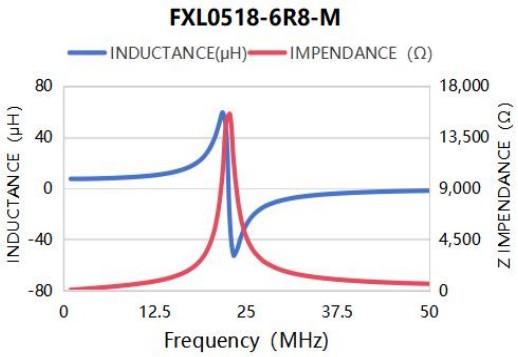


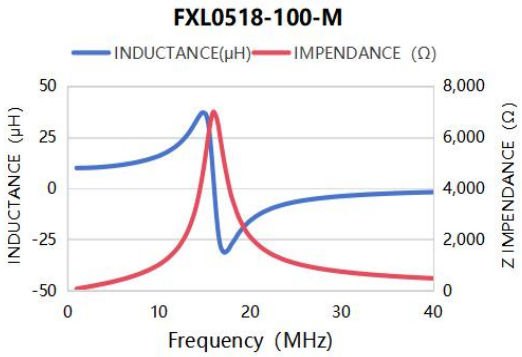


12.Typical Performance Curves

（1）Inductance and Impendance vs Frequency Characteristics

FXL0518 Series



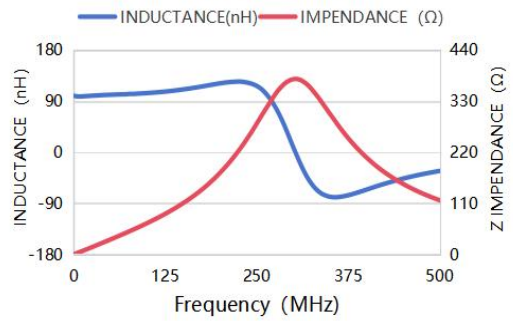


12.Typical Performance Curves

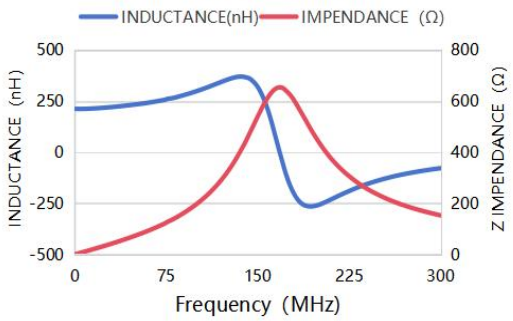
（1）Inductance and Impendance vs Frequency Characteristics

FXL0530 Series

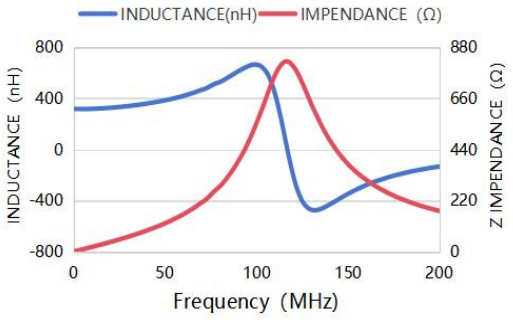
FXL0530-R10-M



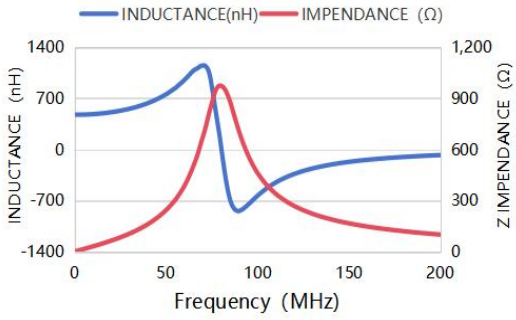
FXL0530-R20-M



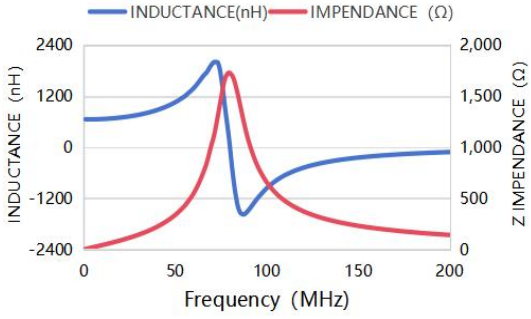
FXL0530-R33-M



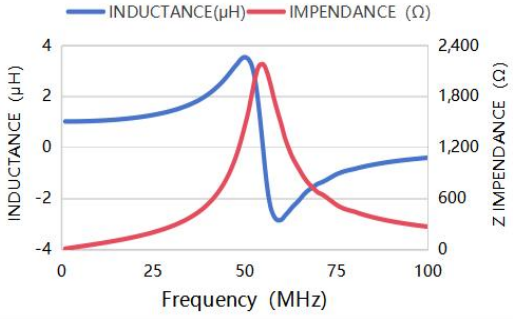
FXL0530-R47-M



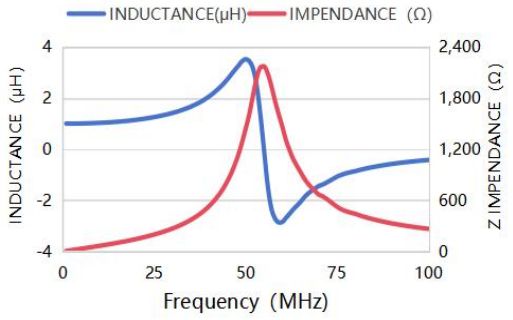
FXL0530-R68-M



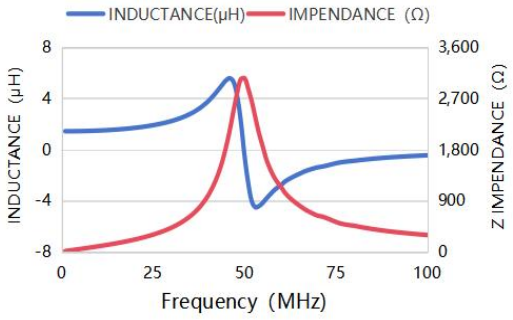
FXL0530-1R0-M



FXL0530-1R2-M



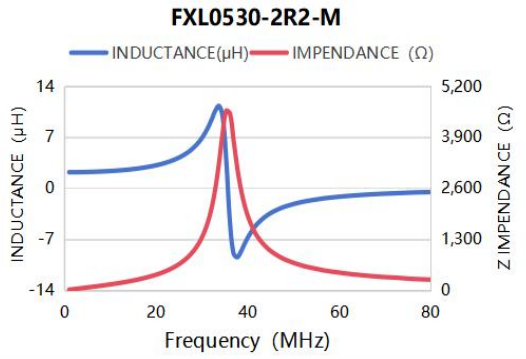
FXL0530-1R5-M

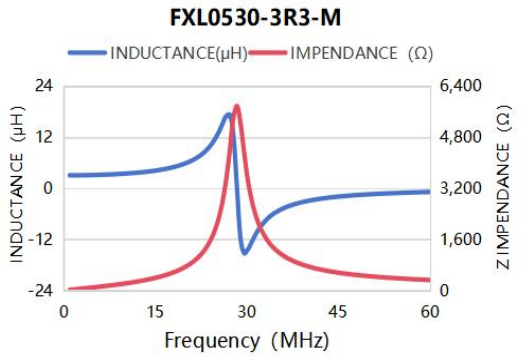


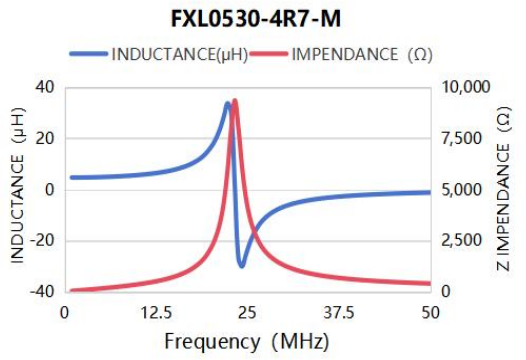
12.Typical Performance Curves

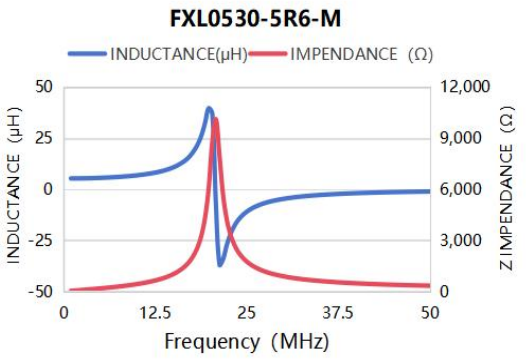
（1）Inductance and Impendance vs Frequency Characteristics

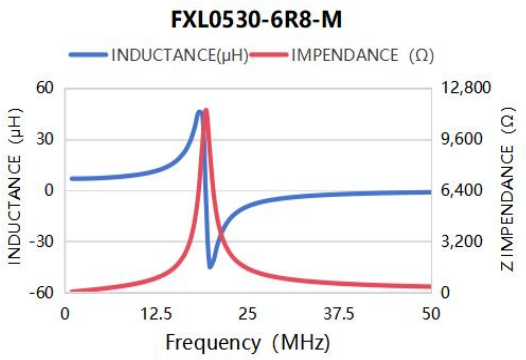
FXL0530 Series

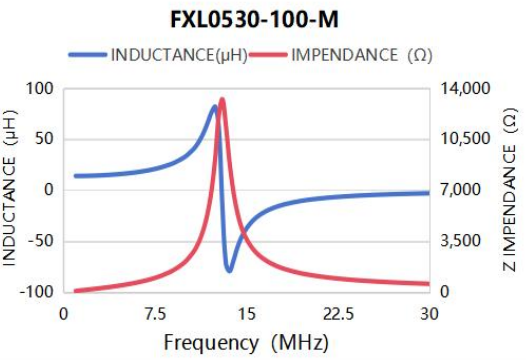


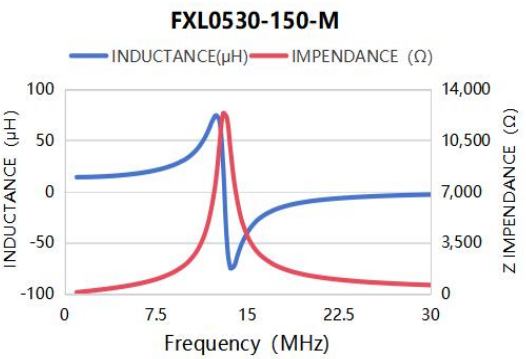


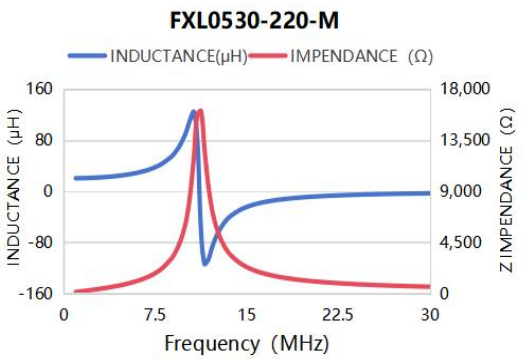










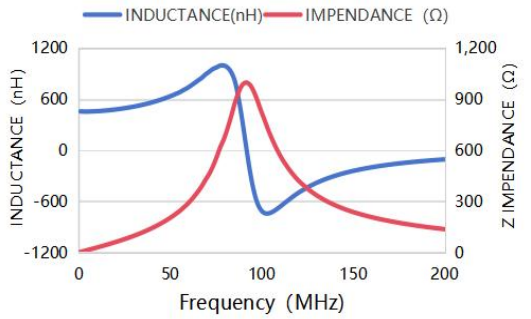


12.Typical Performance Curves

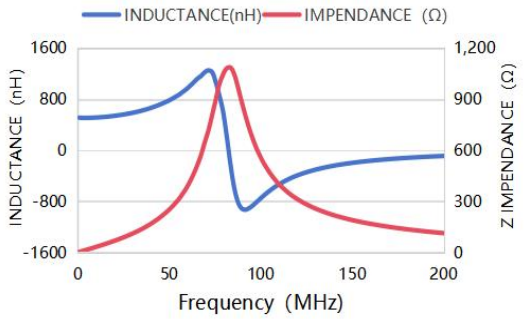
（1）Inductance and Impendance vs Frequency Characteristics

FXL0615 Series

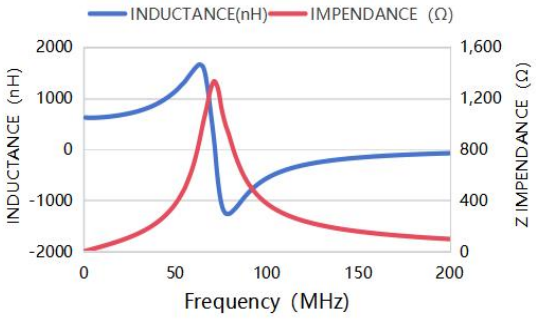
FXL0615-R47-M



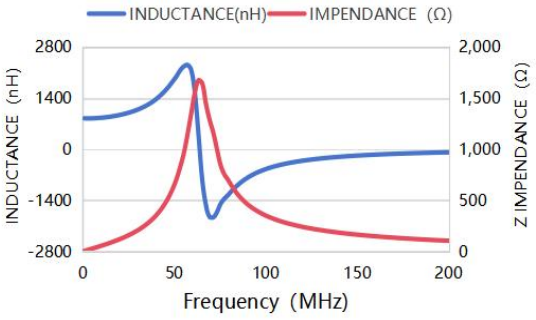
FXL0615-R56-M



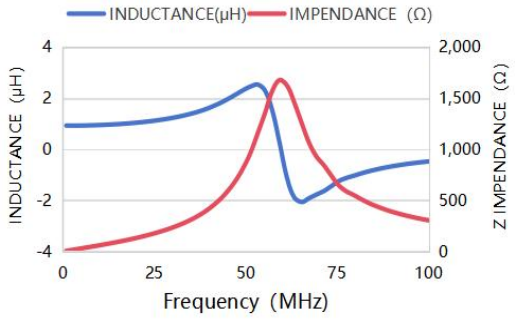
FXL0615-R68-M



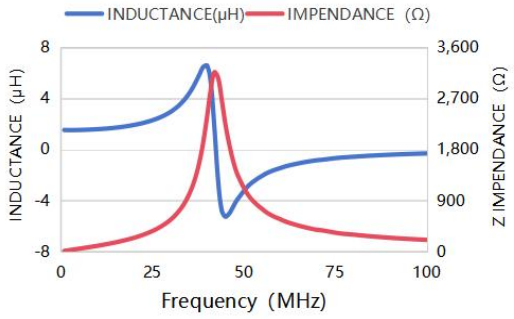
FXL0615-R82-M



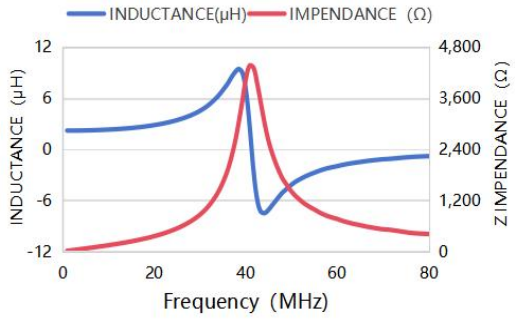
FXL0615-1R0-M



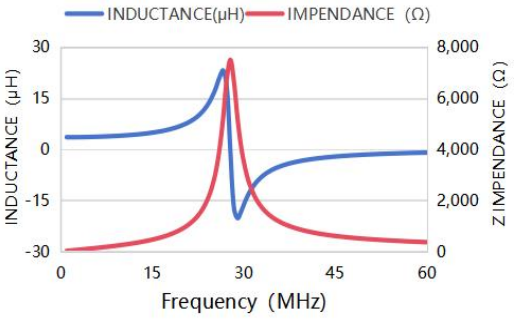
FXL0615-1R5-M



FXL0615-2R2-M



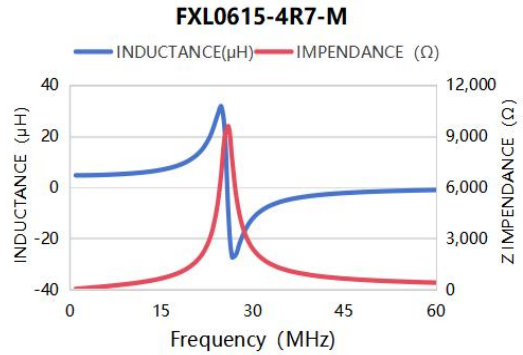
FXL0615-3R3-M

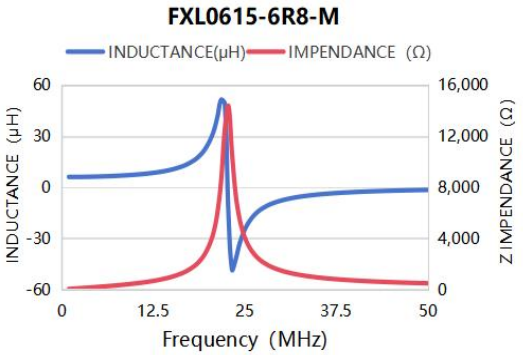


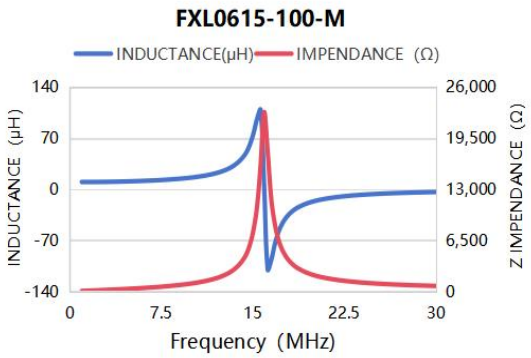
12.Typical Performance Curves

（1）Inductance and Impendance vs Frequency Characteristics

FXL0615 Series





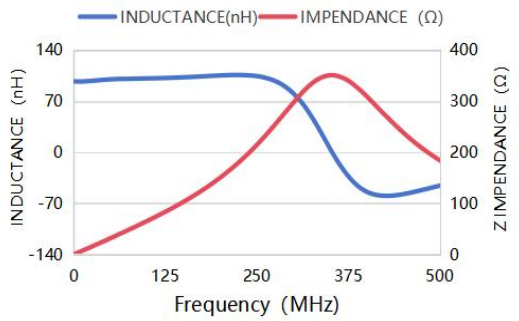


12.Typical Performance Curves

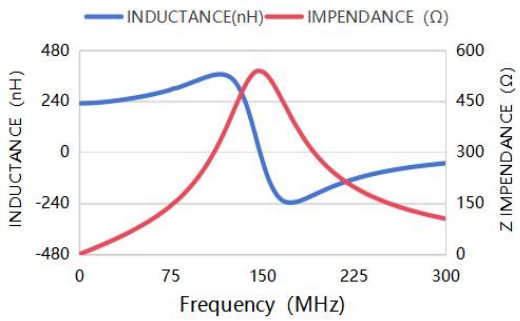
（1）Inductance and Impendance vs Frequency Characteristics

FXL0618 Series

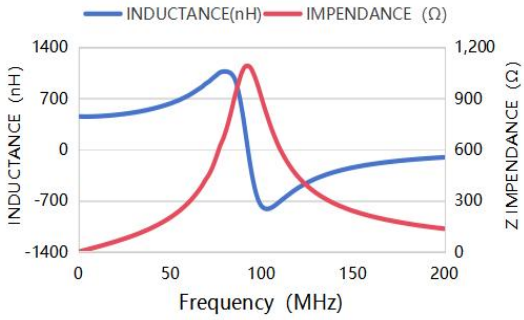
FXL0618-R10-M



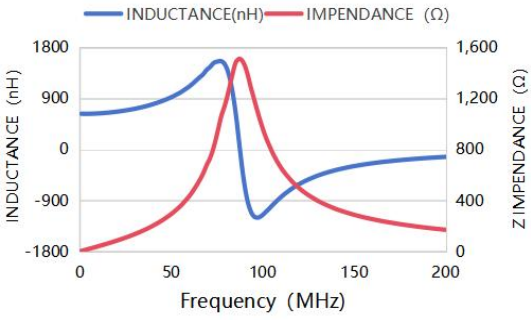
FXL0618-R22-M



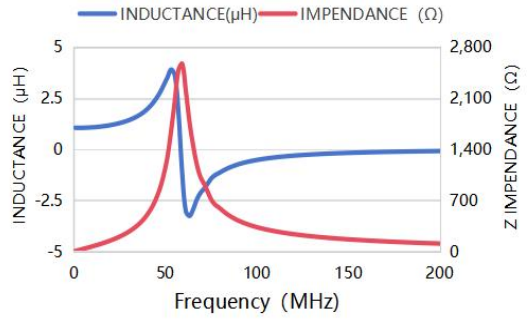
FXL0618-R47-M



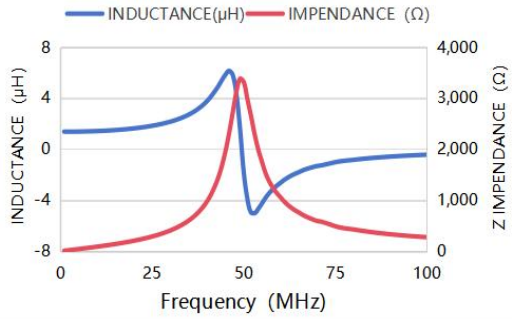
FXL0618-R68-M



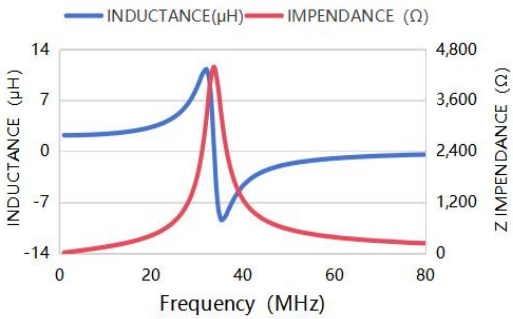
FXL0618-1R0-M



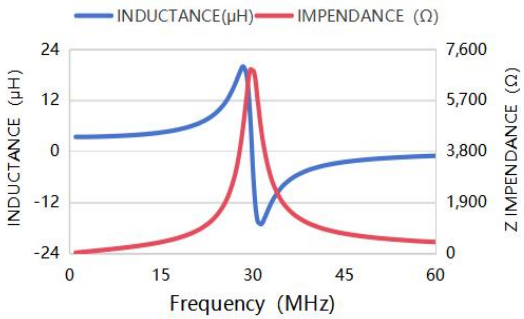
FXL0618-1R5-M



FXL0618-2R2-M



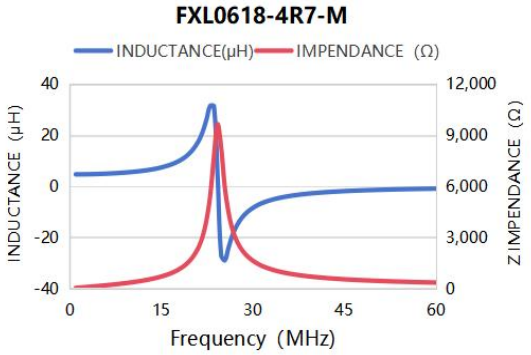
FXL0618-3R3-M

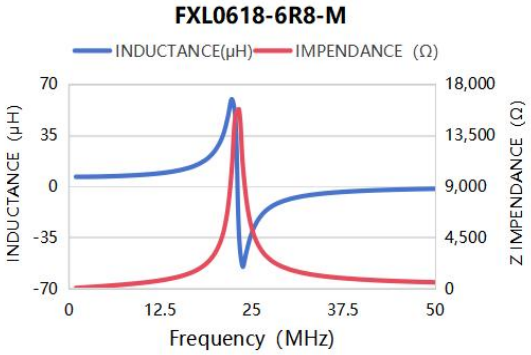


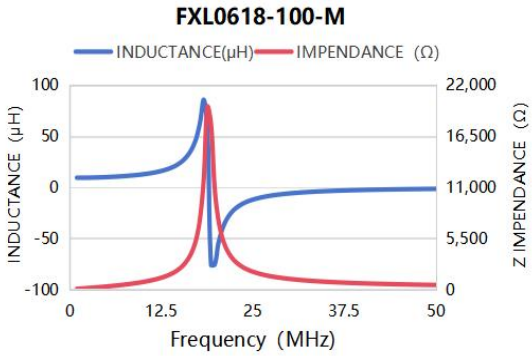
12.Typical Performance Curves

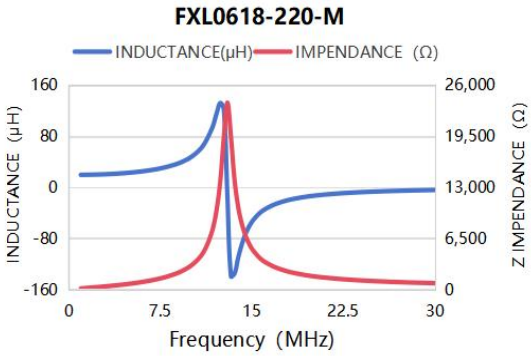
（1）Inductance and Impendance vs Frequency Characteristics

FXL0618 Series





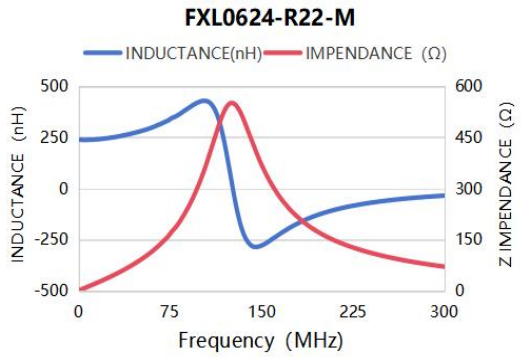


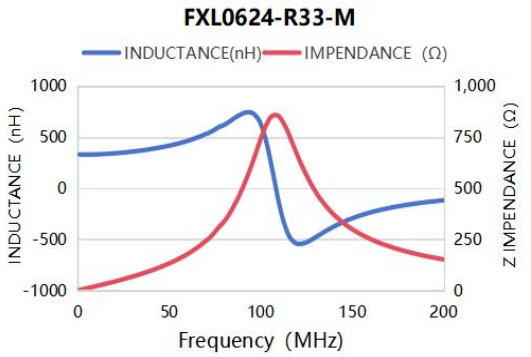


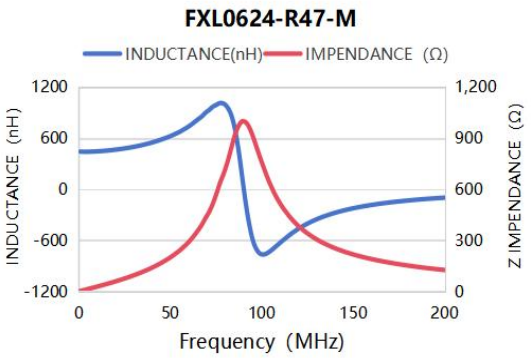
12.Typical Performance Curves

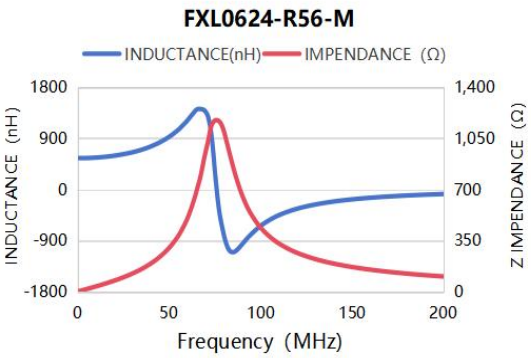
（1）Inductance and Impendance vs Frequency Characteristics

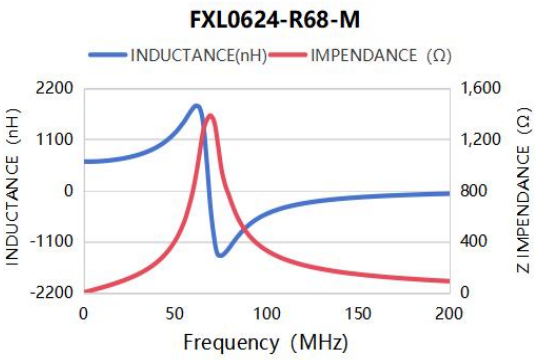
FXL0624 Series

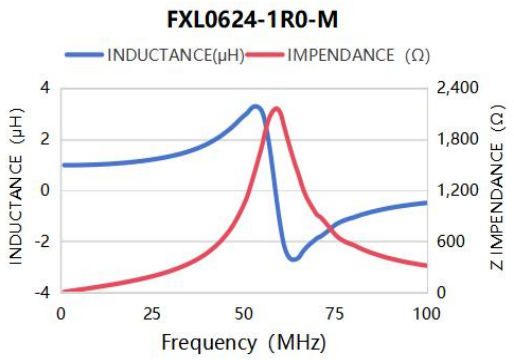


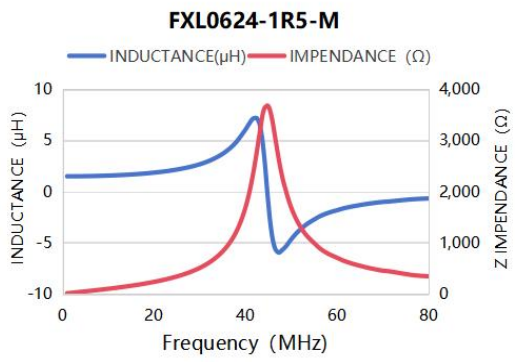


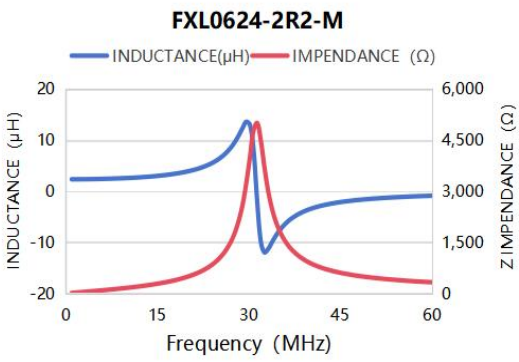








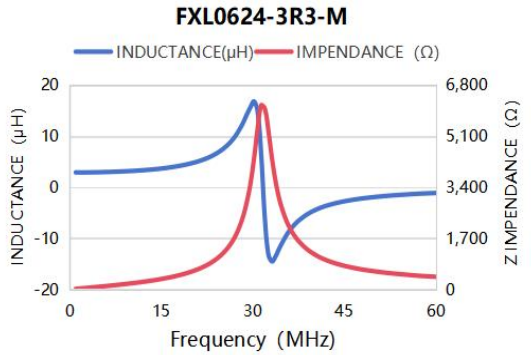


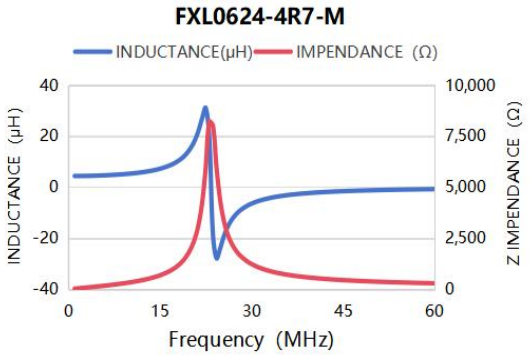


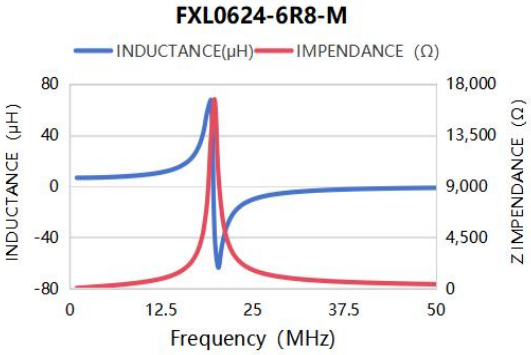
12.Typical Performance Curves

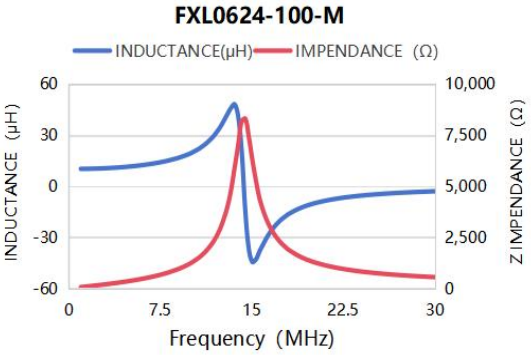
（1）Inductance and Impendance vs Frequency Characteristics

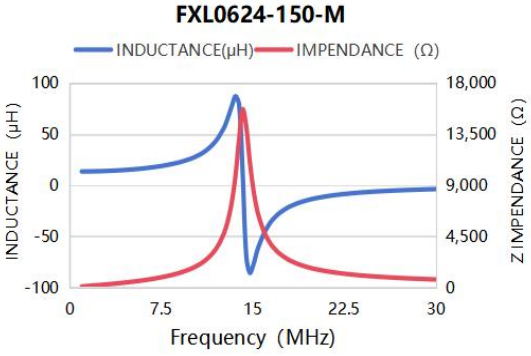
FXL0624 Series

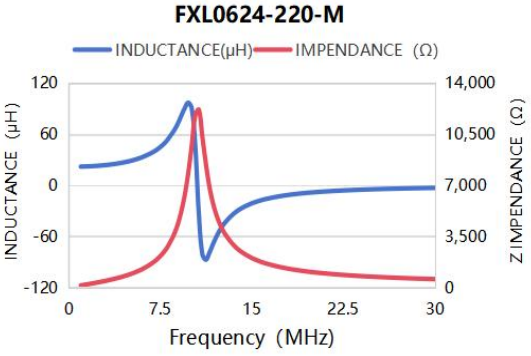








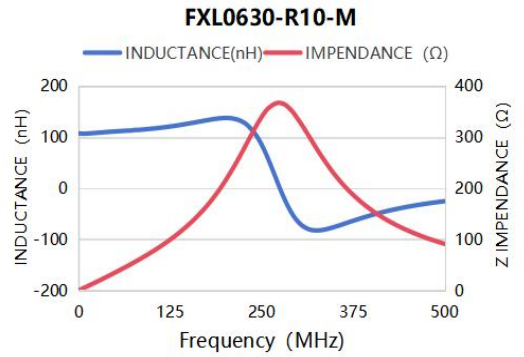


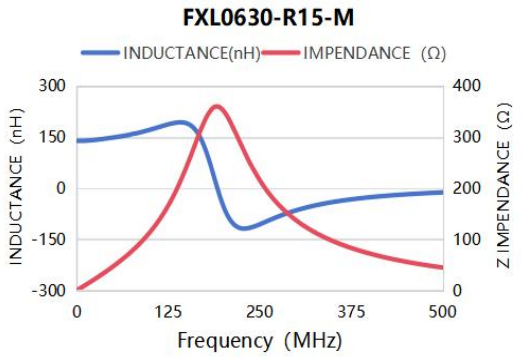


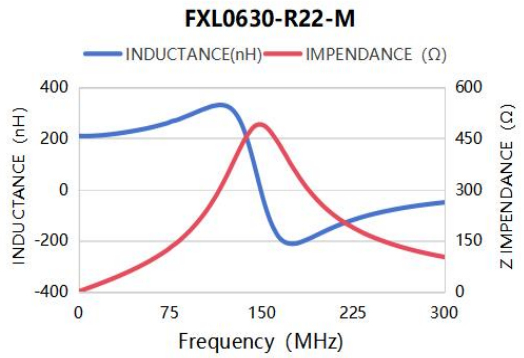
12.Typical Performance Curves

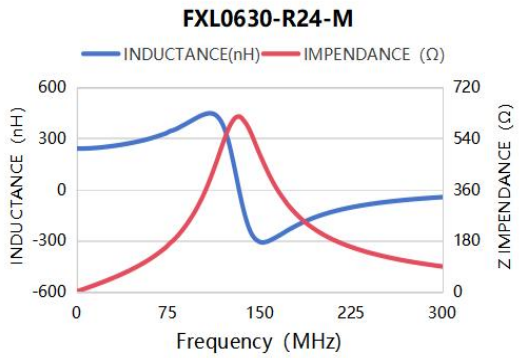
（1）Inductance and Impendance vs Frequency Characteristics

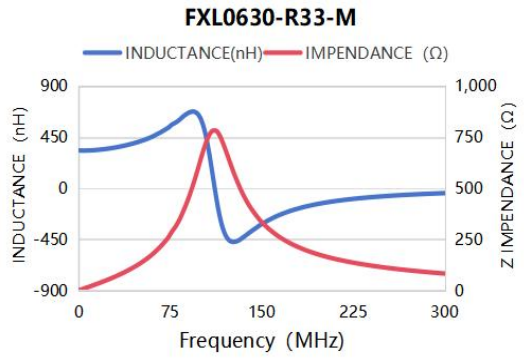
FXL0630 Series

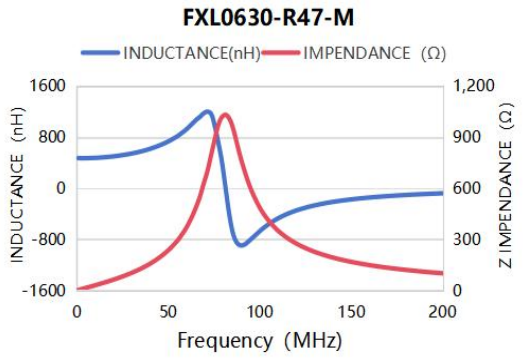


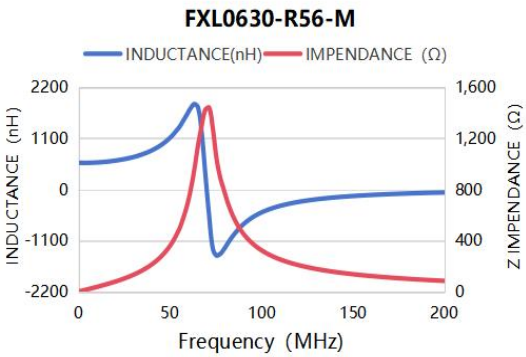


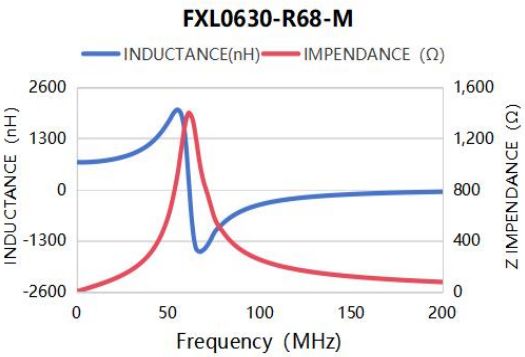








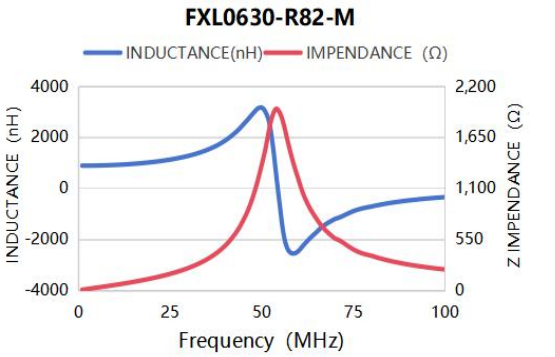


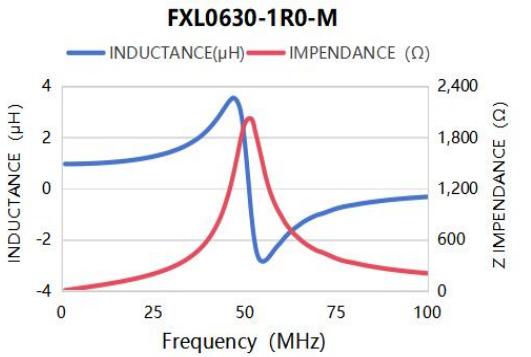


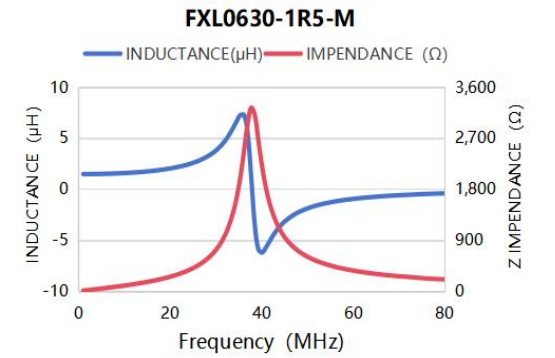
12.Typical Performance Curves

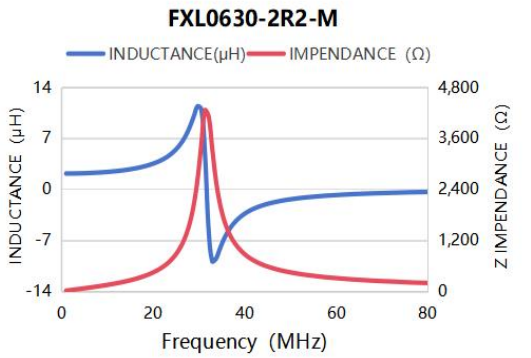
（1）Inductance and Impendance vs Frequency Characteristics

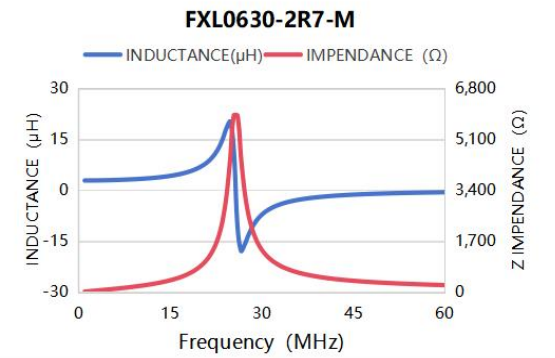
FXL0630 Series

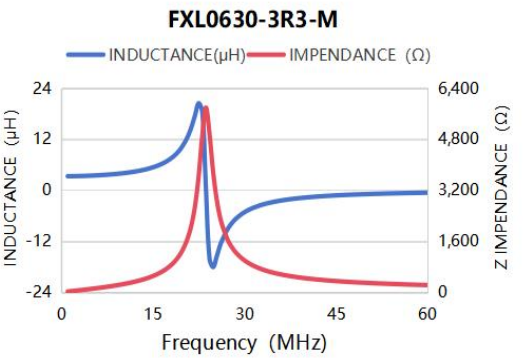


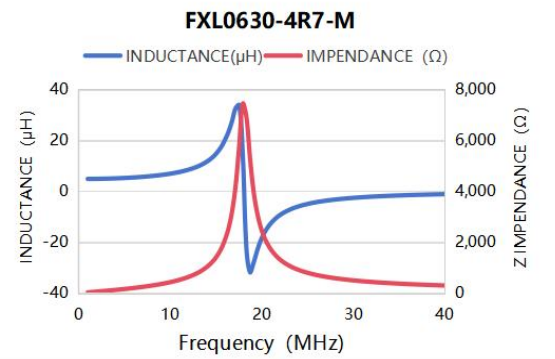


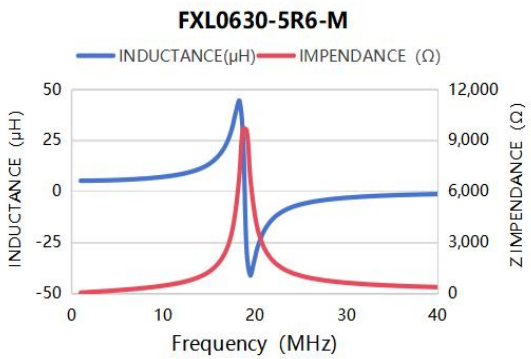








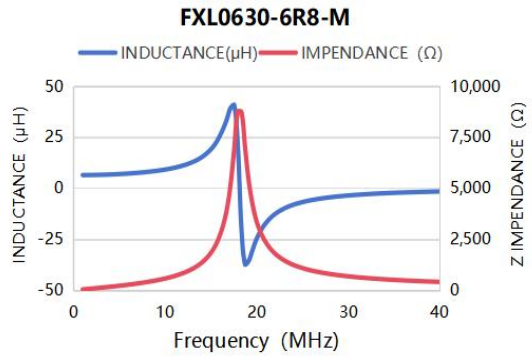


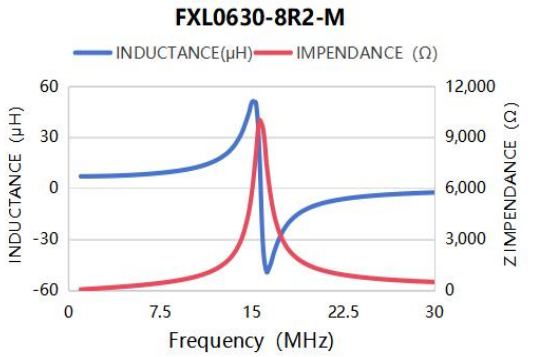


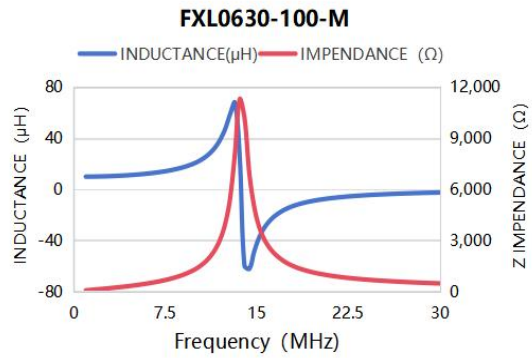
12.Typical Performance Curves

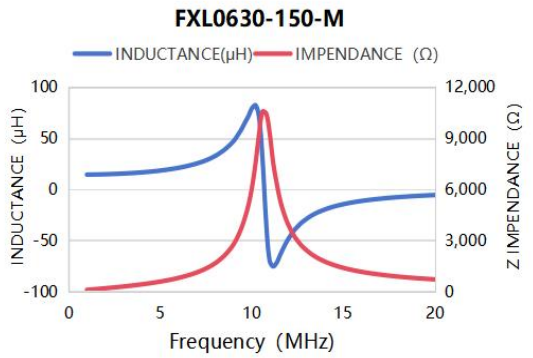
（1）Inductance and Impendance vs Frequency Characteristics

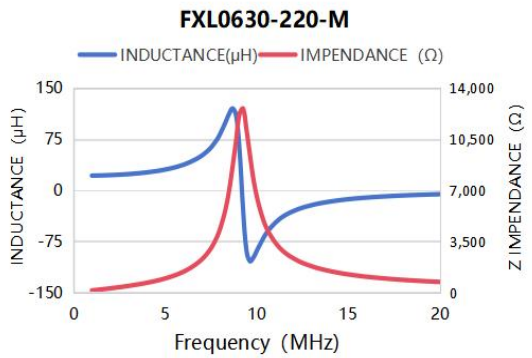
FXL0630 Series

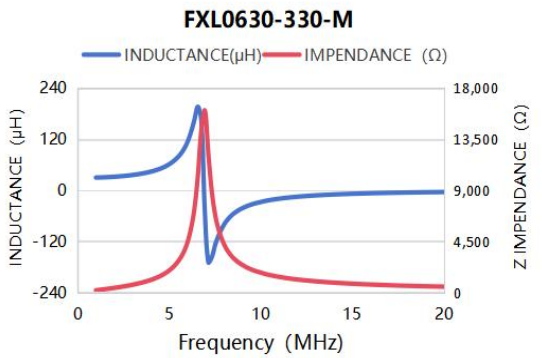


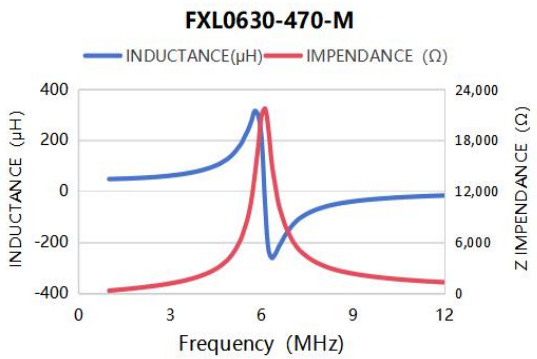










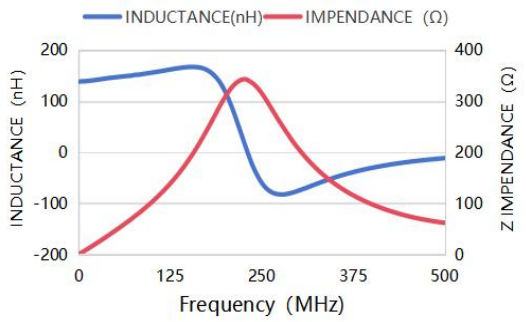


12.Typical Performance Curves

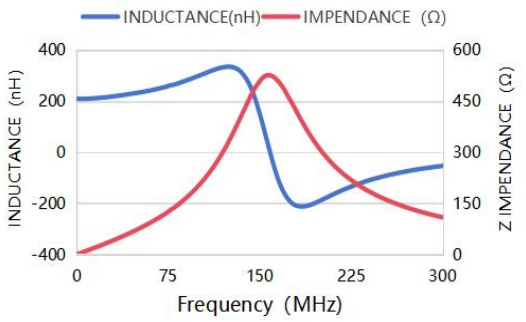
（1）Inductance and Impendance vs Frequency Characteristics

FXL0640 Series

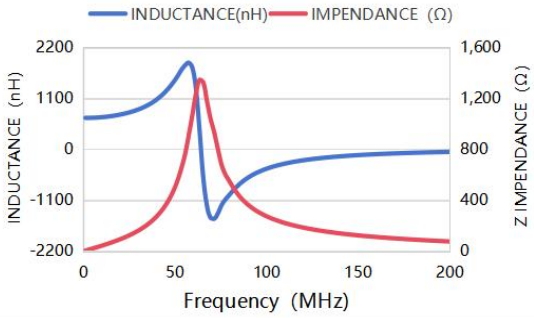
FXL0640-R15-M



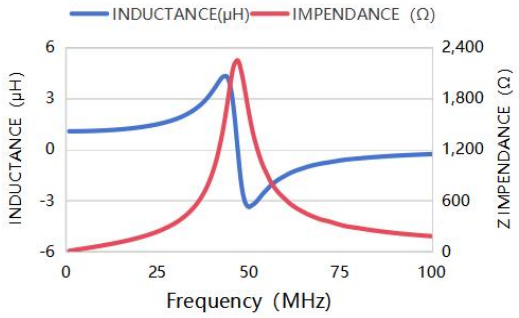
FXL0640-R22-M



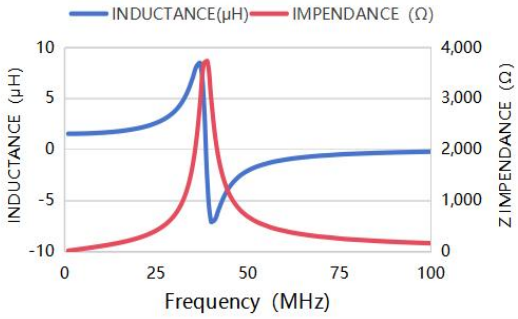
FXL0640-R68-M



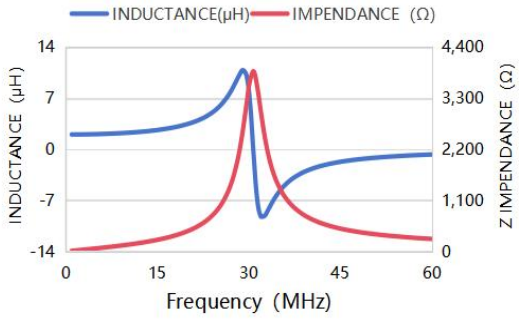
FXL0640-1R0-M



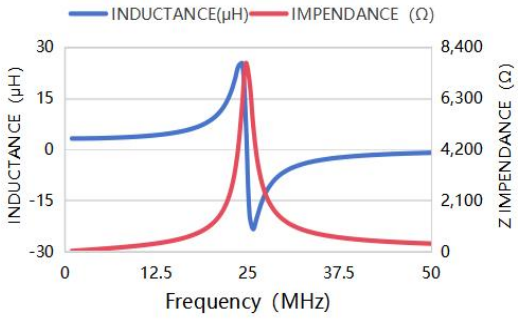
FXL0640-1R5-M



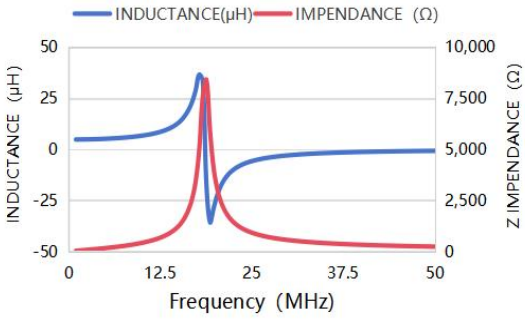
FXL0640-2R2-M



FXL0640-3R3-M



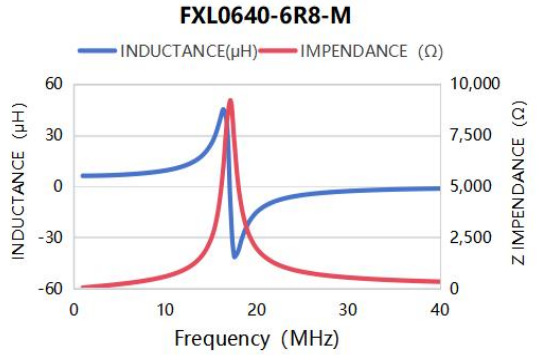
FXL0640-4R7-M

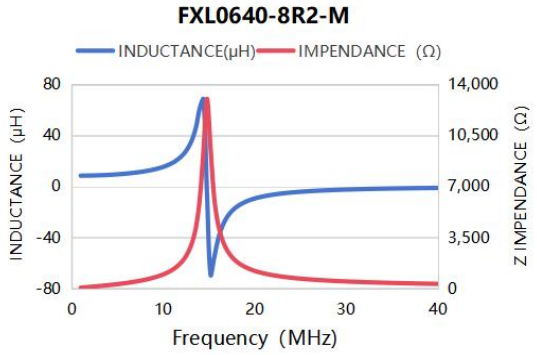


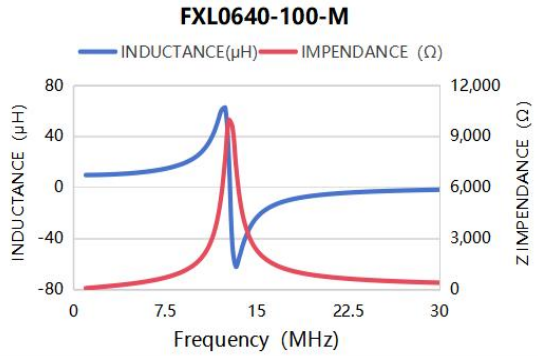
12.Typical Performance Curves

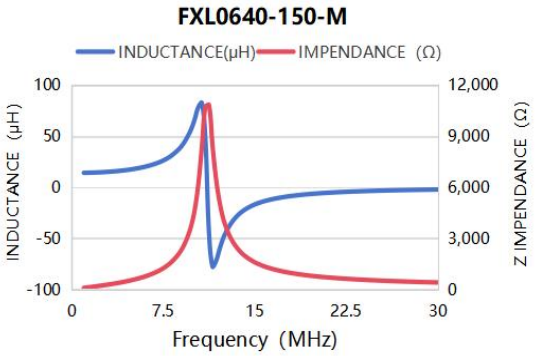
（1）Inductance and Impendance vs Frequency Characteristics

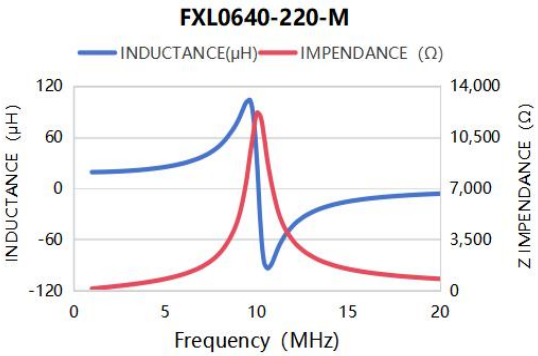
FXL0640 Series

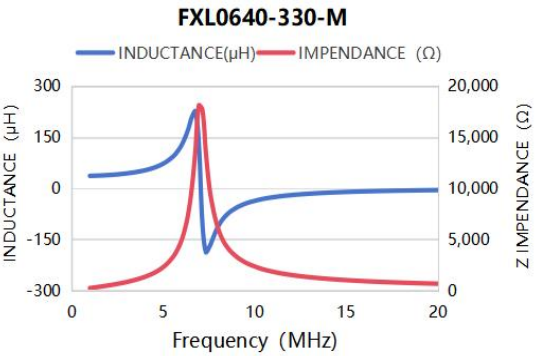


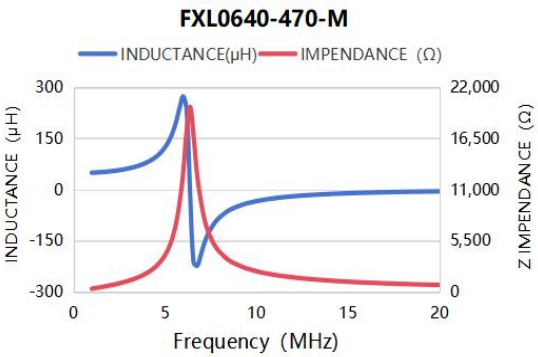








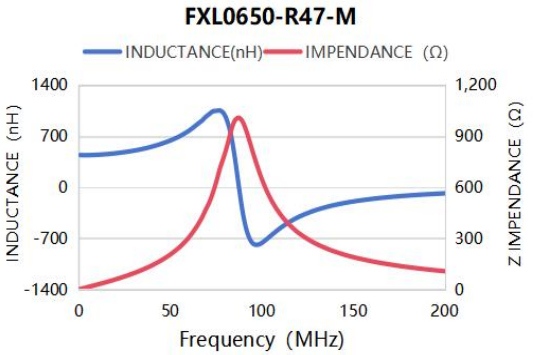


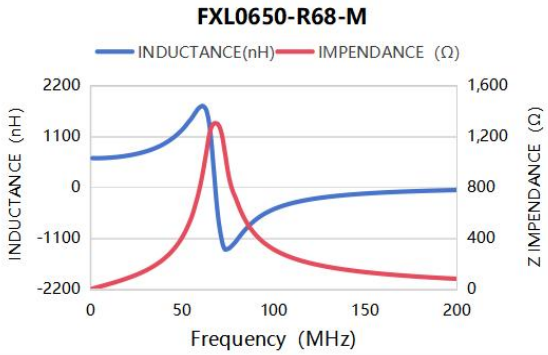


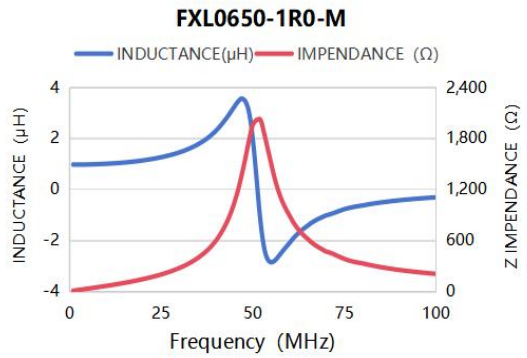
12.Typical Performance Curves

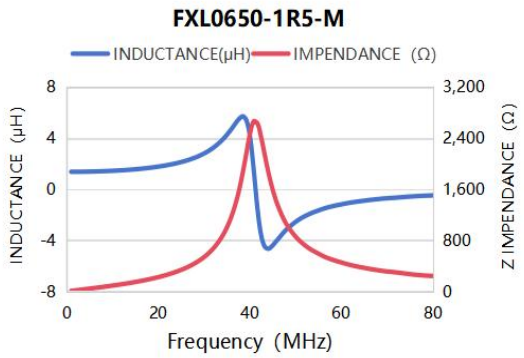
（1）Inductance and Impendance vs Frequency Characteristics

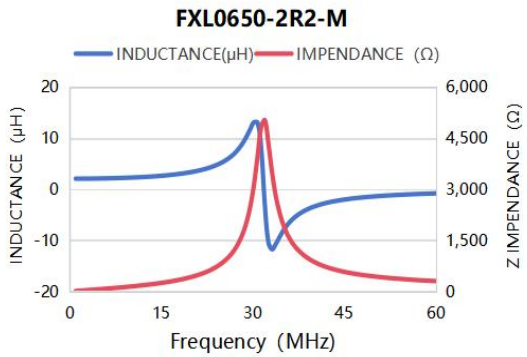
FXL0650 Series

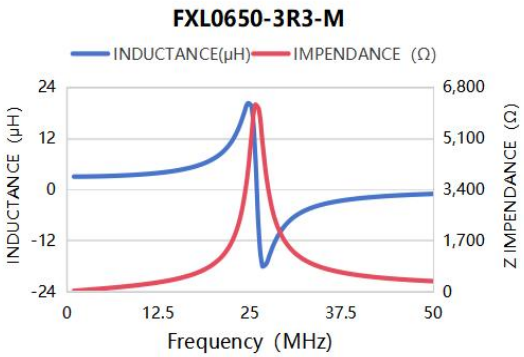


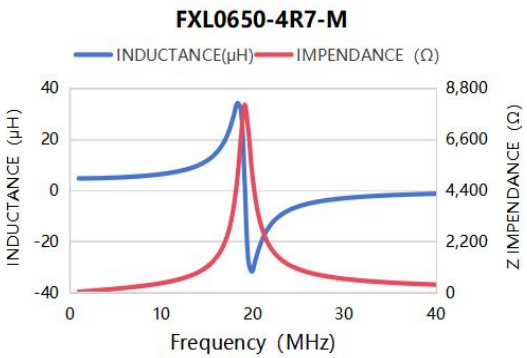


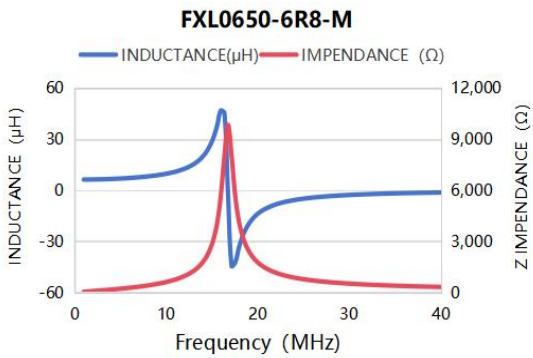










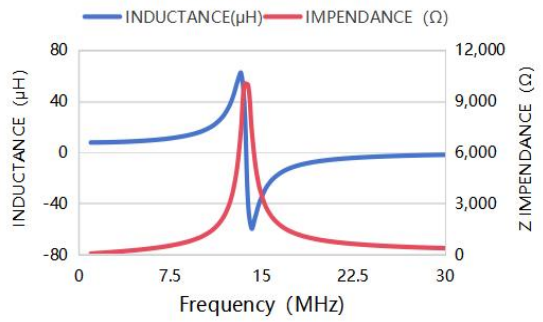


12.Typical Performance Curves

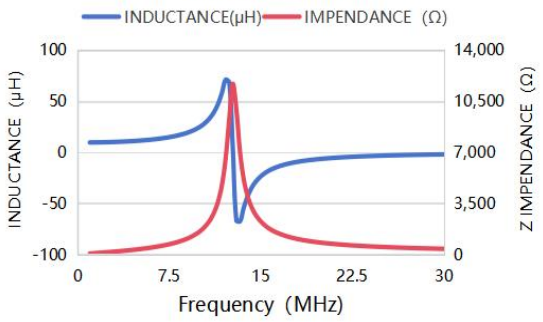
（1）Inductance and Impendance vs Frequency Characteristics

FXL0650 Series

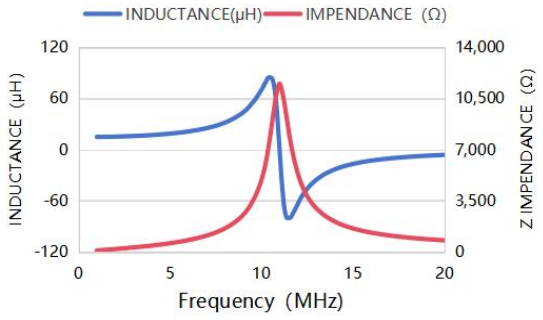
FXL0650-8R2-M



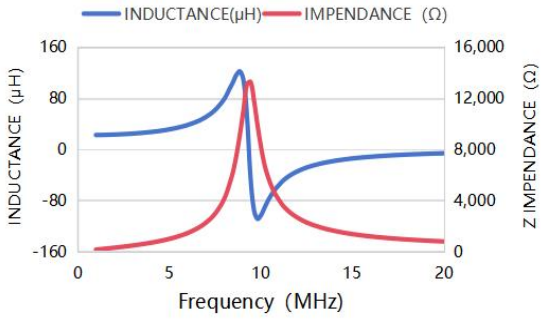
FXL0650-100-M



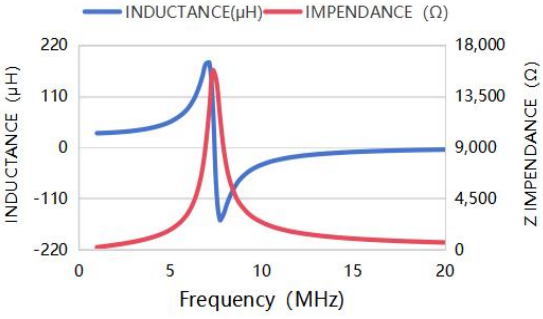
FXL0650-150-M



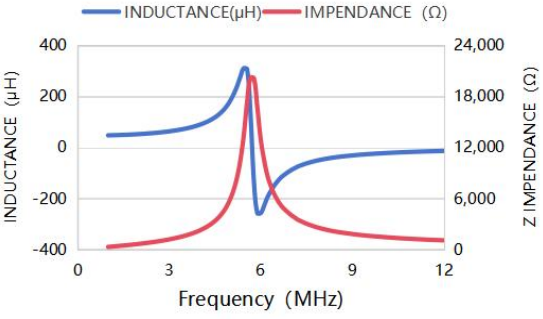
FXL0650-220-M



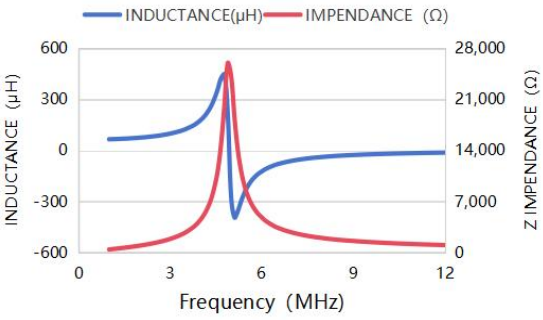
FXL0650-330-M



FXL0650-470-M



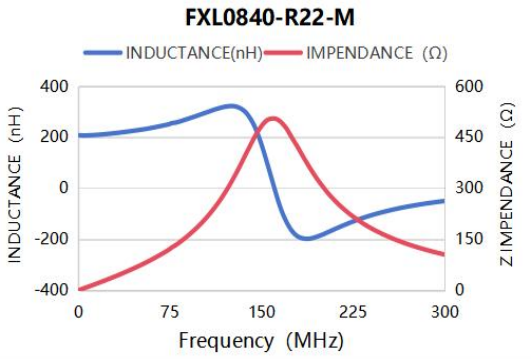
FXL0650-680-M

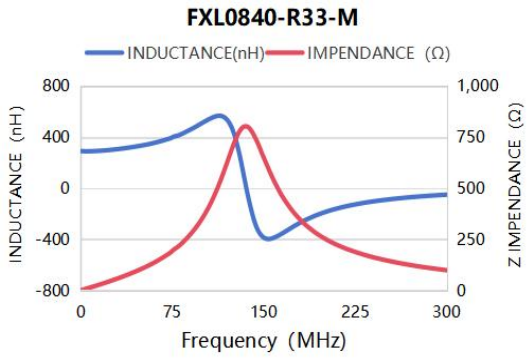


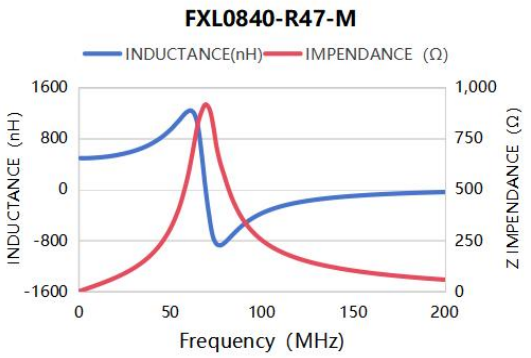
12.Typical Performance Curves

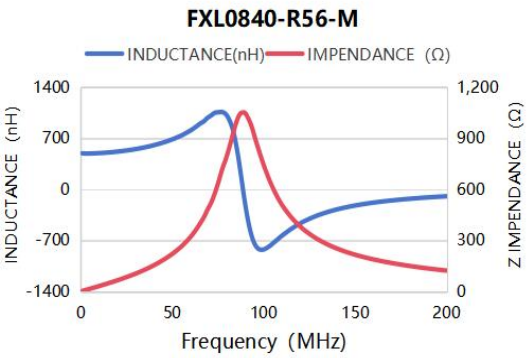
（1）Inductance and Impendance vs Frequency Characteristics

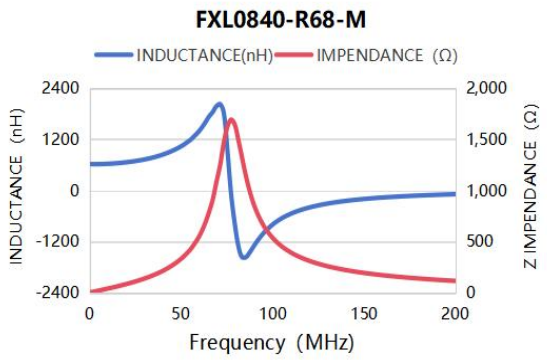
FXL0840 Series

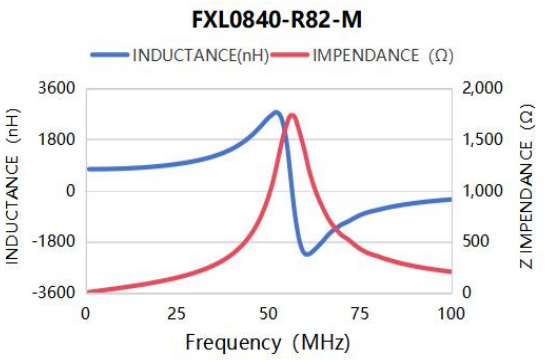


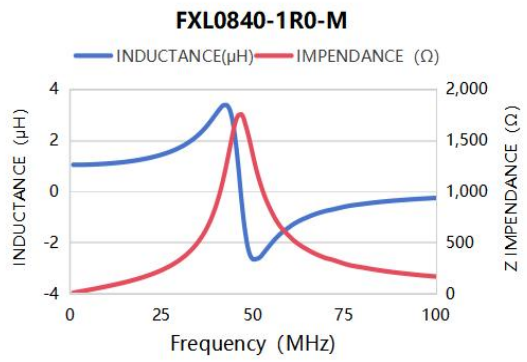


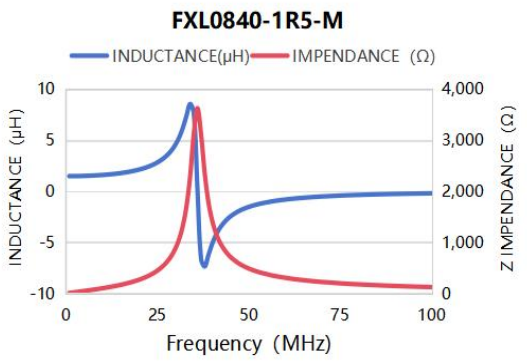








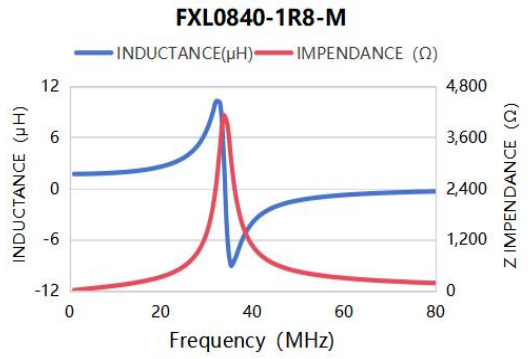


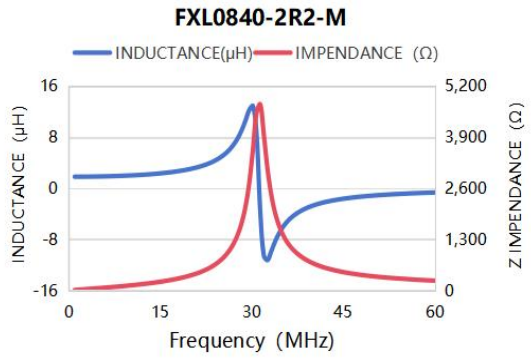


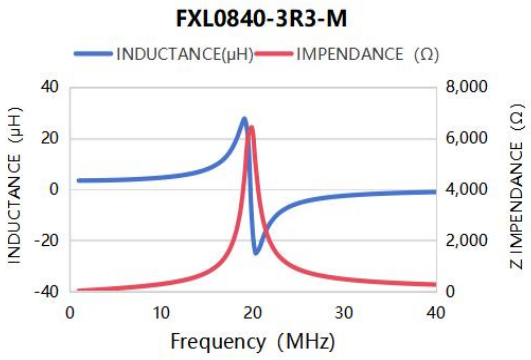
12.Typical Performance Curves

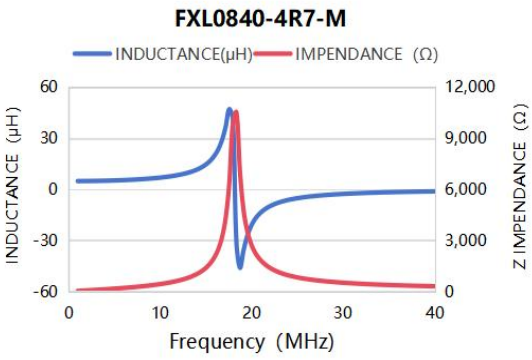
（1）Inductance and Impendance vs Frequency Characteristics

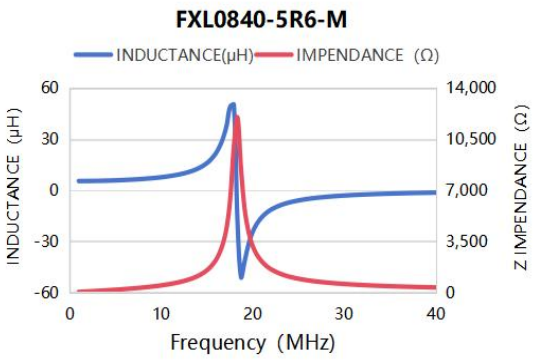
FXL0840 Series

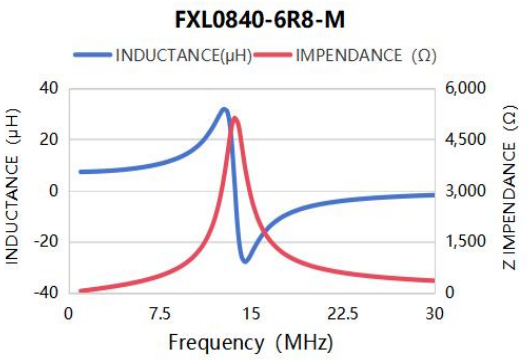


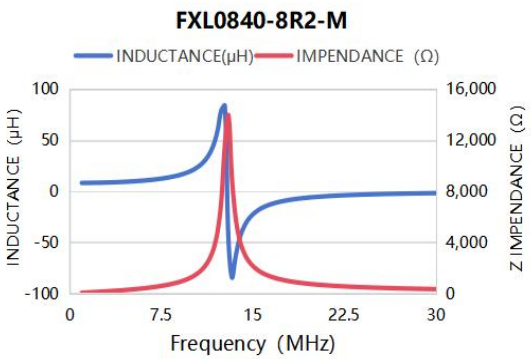


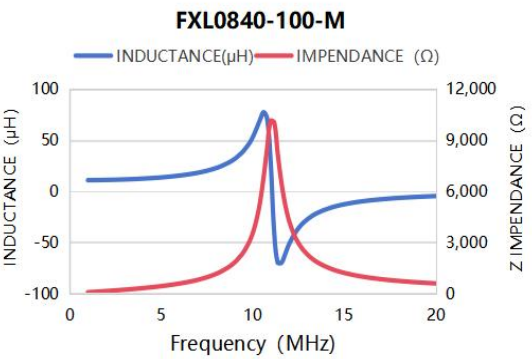








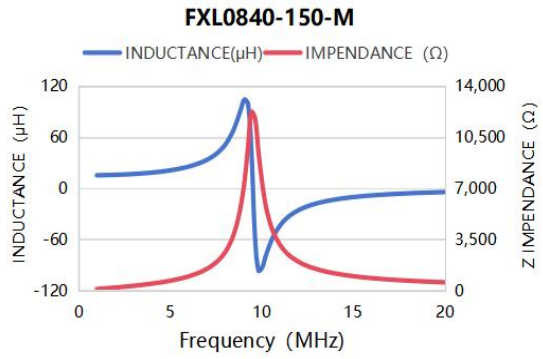


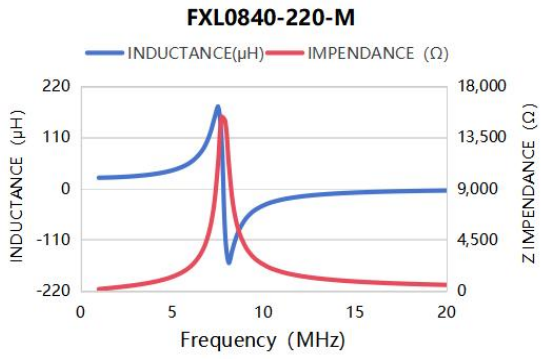


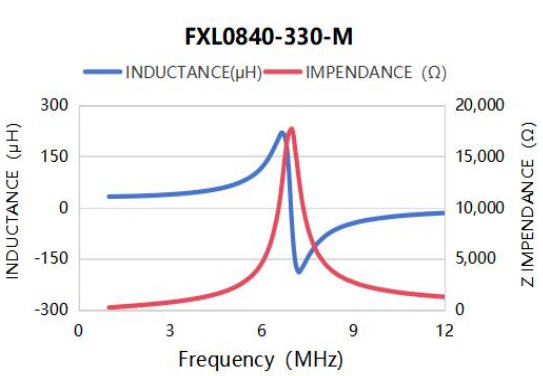
12.Typical Performance Curves

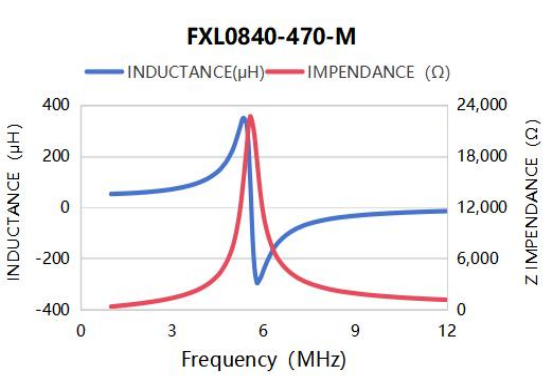
（1）Inductance and Impendance vs Frequency Characteristics

FXL0840 Series





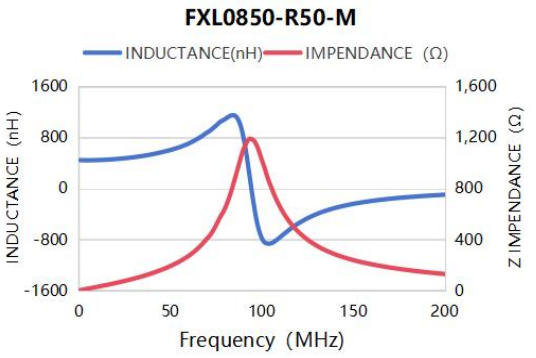


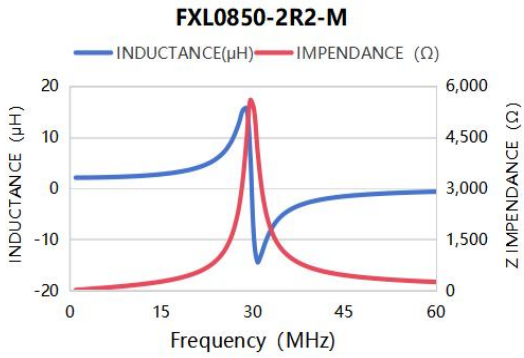


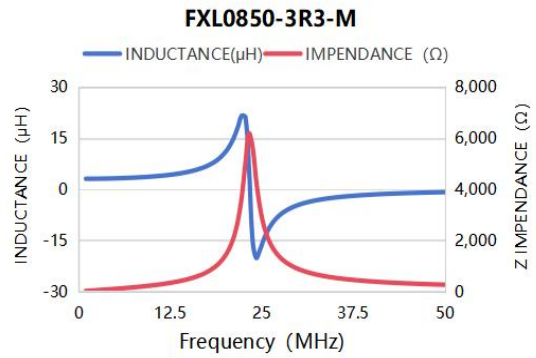
12.Typical Performance Curves

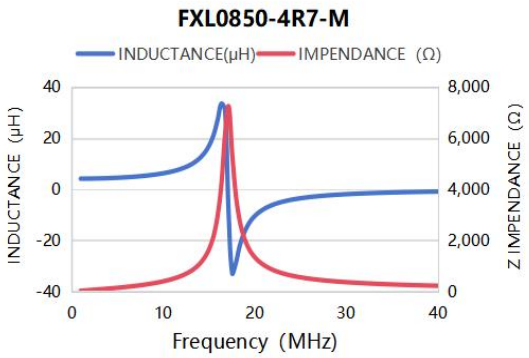
（1）Inductance and Impendance vs Frequency Characteristics

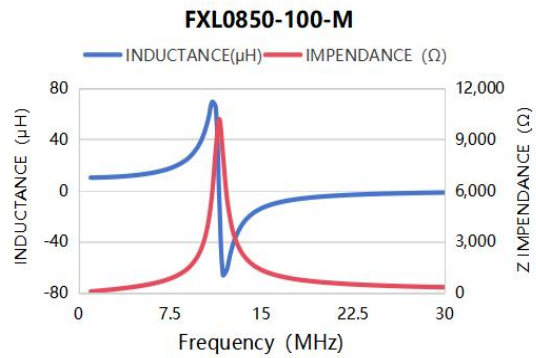
FXL0850 Series

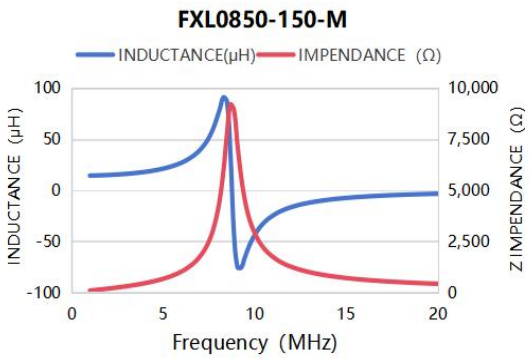


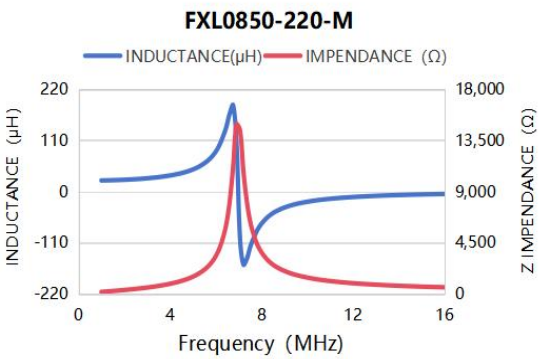


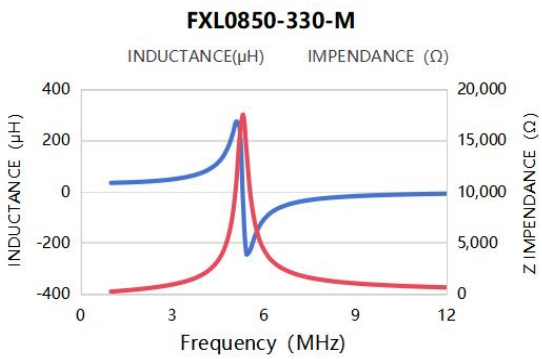








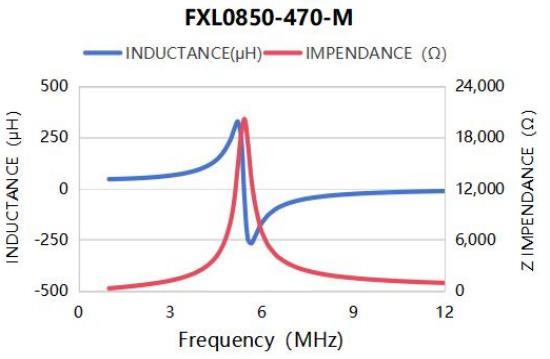


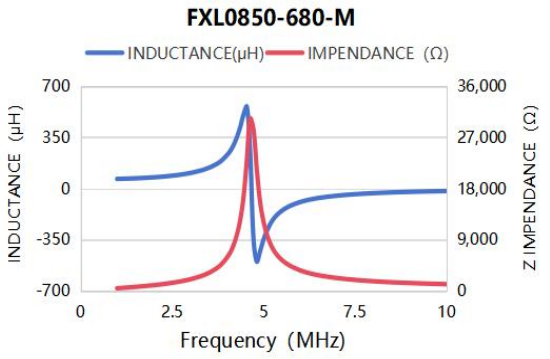


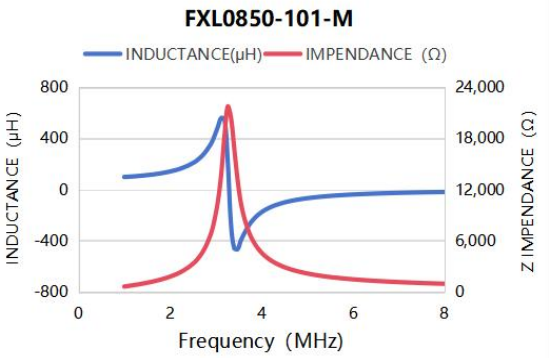
12.Typical Performance Curves

（1）Inductance and Impendance vs Frequency Characteristics

FXL0850 Series





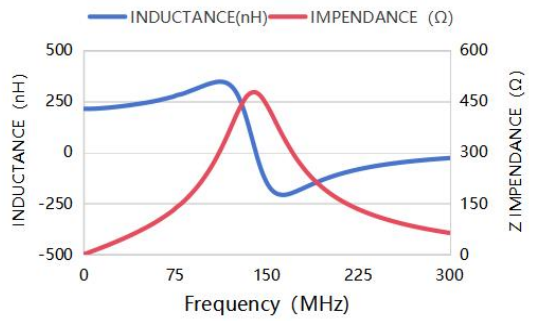


12.Typical Performance Curves

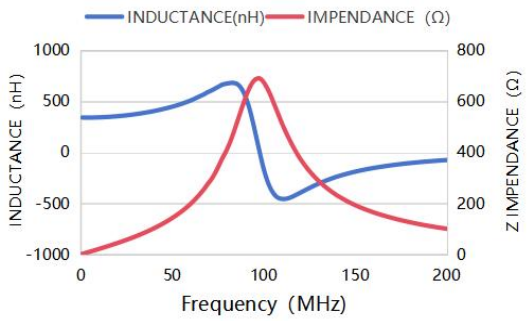
（1）Inductance and Impendance vs Frequency Characteristics

FXL1030 Series

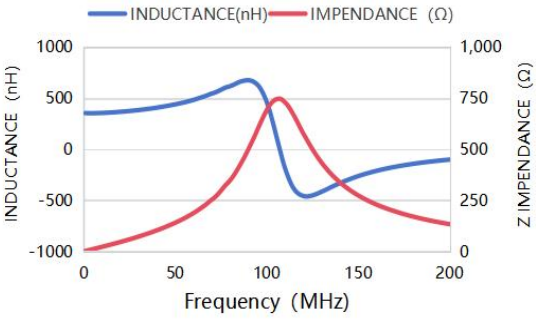
FXL1030-R22-M



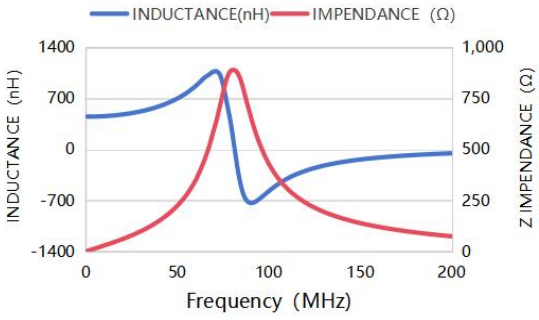
FXL1030-R33-M



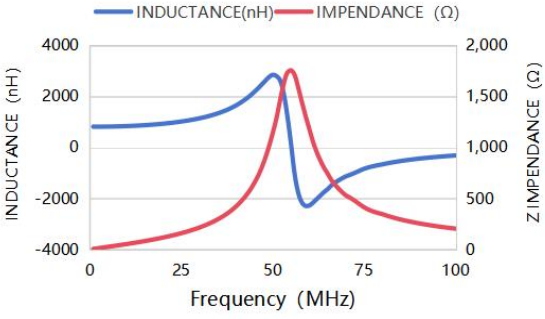
FXL1030-R36-M



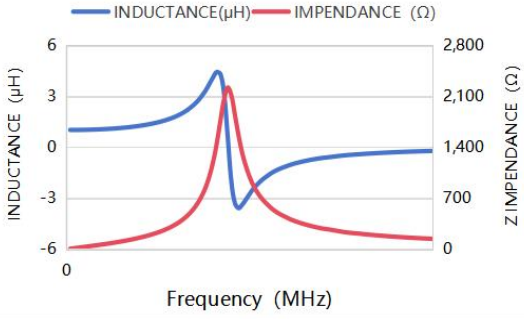
FXL1030-R47-M



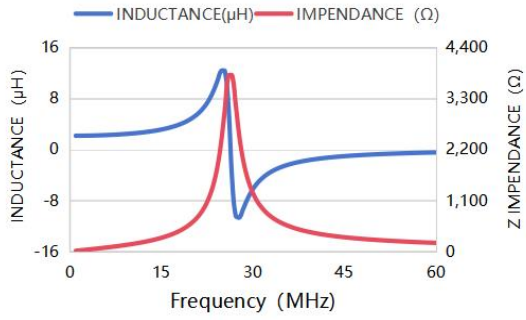
FXL1030-R82-M



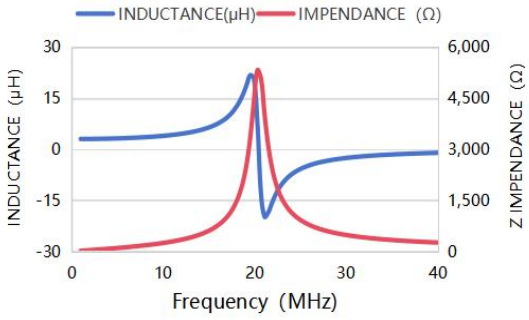
FXL1030-1R0-M



FXL1030-2R2-M



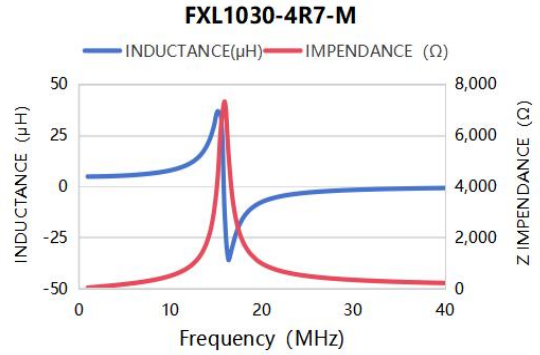
FXL1030-3R3-M

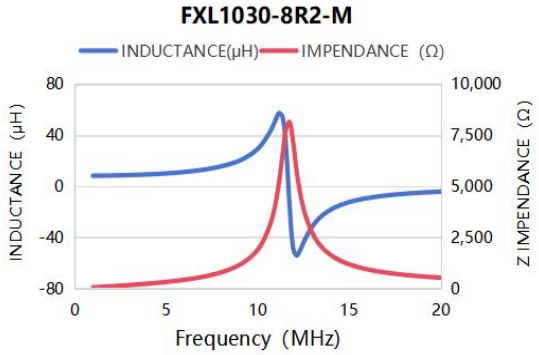


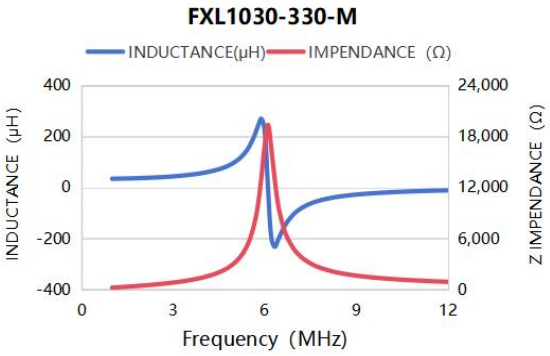
12.Typical Performance Curves

（1）Inductance and Impendance vs Frequency Characteristics

FXL1030 Series





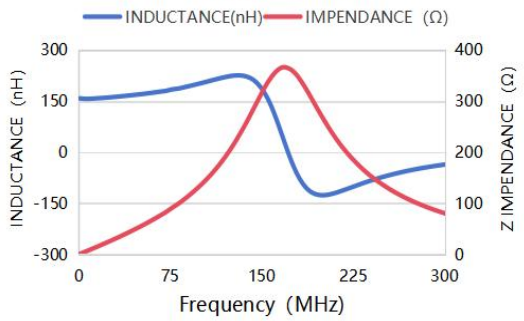


12.Typical Performance Curves

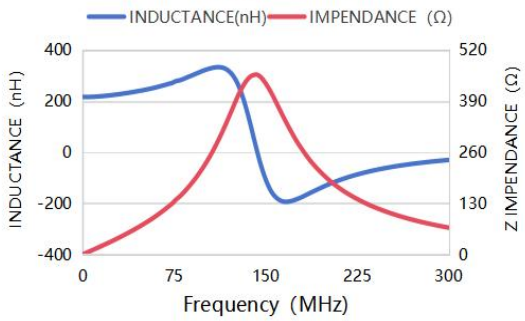
（1）Inductance and Impendance vs Frequency Characteristics

FXL1040 Series

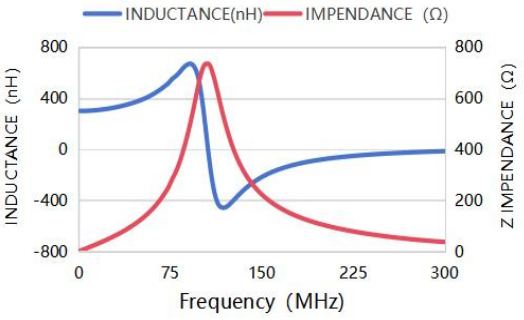
FXL1040-R15-M



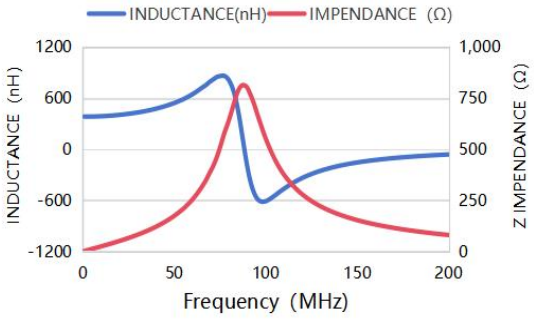
FXL1040-R22-M



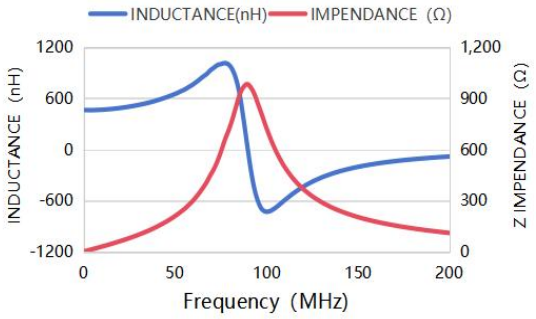
FXL1040-R30-M



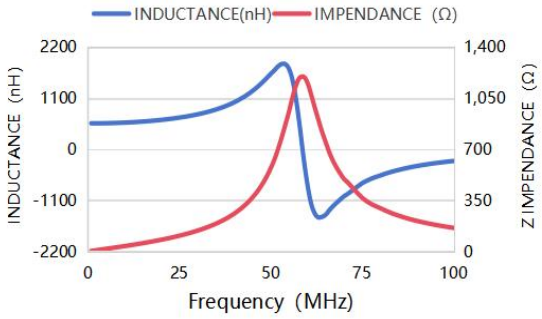
FXL1040-R36-M



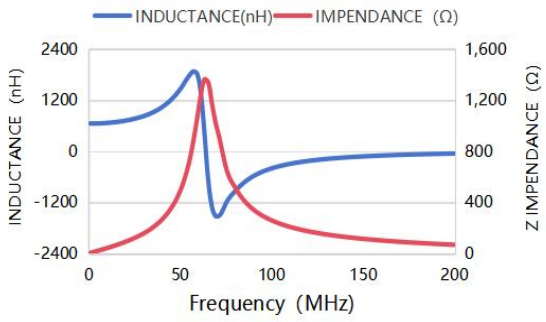
FXL1040-R47-M



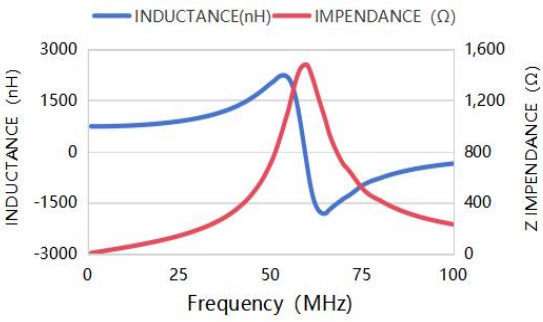
FXL1040-R56-M



FXL1040-R68-M



FXL1040-R80-M

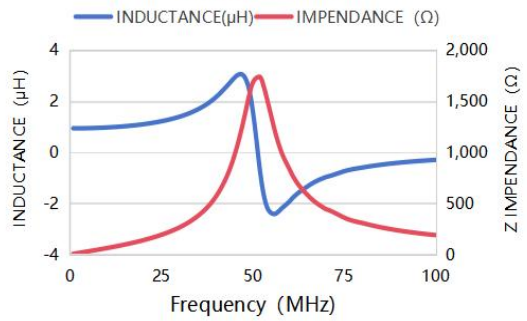


12.Typical Performance Curves

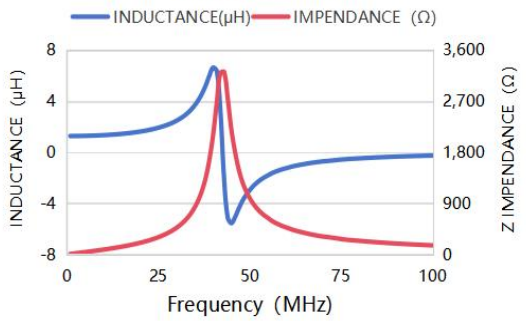
（1）Inductance and Impendance vs Frequency Characteristics

FXL1040 Series

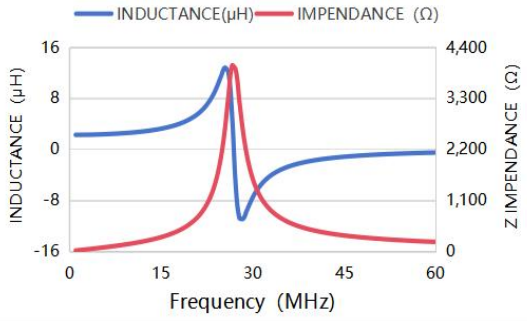
FXL1040-1R0-M



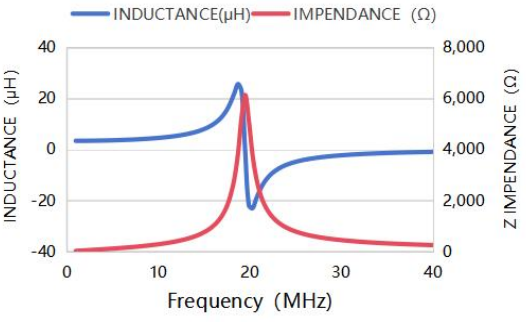
FXL1040-1R5-M



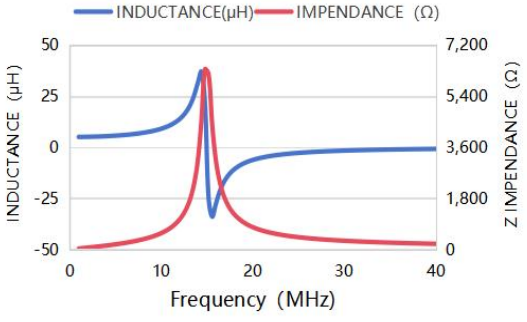
FXL1040-2R2-M



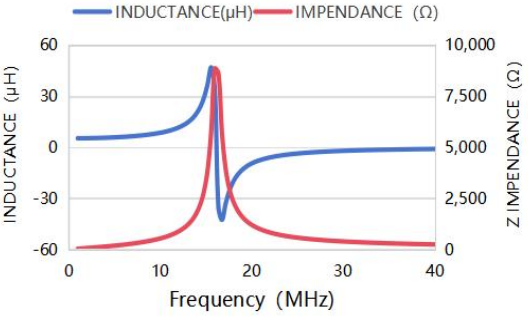
FXL1040-3R3-M



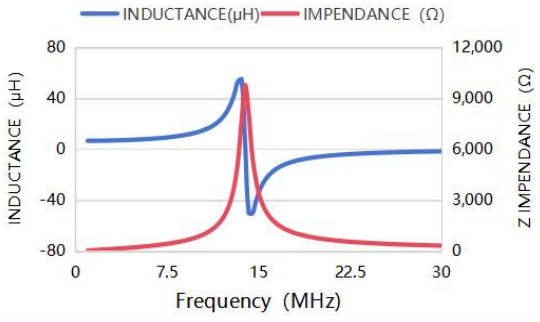
FXL1040-4R7-M



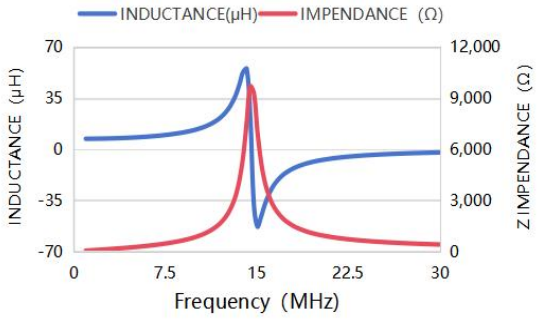
FXL1040-5R6-M



FXL1040-6R8-M



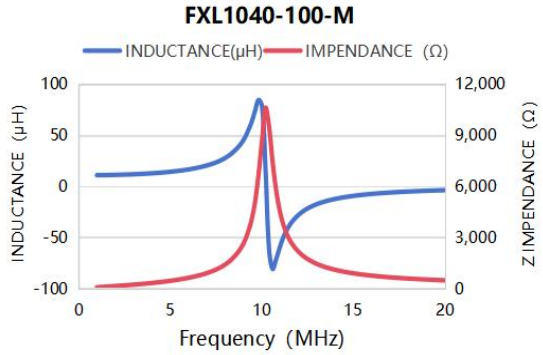
FXL1040-8R2-M

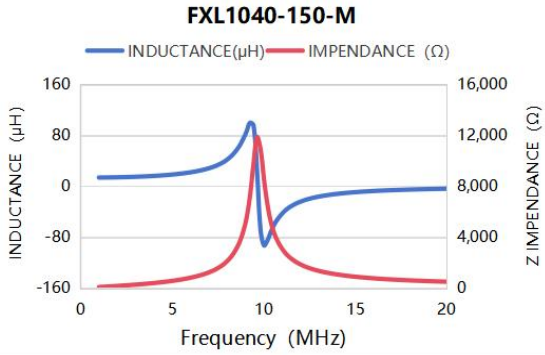


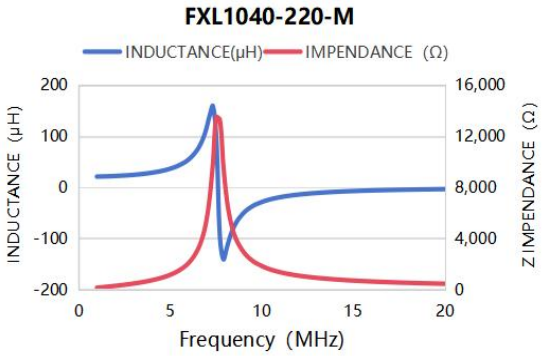
12.Typical Performance Curves

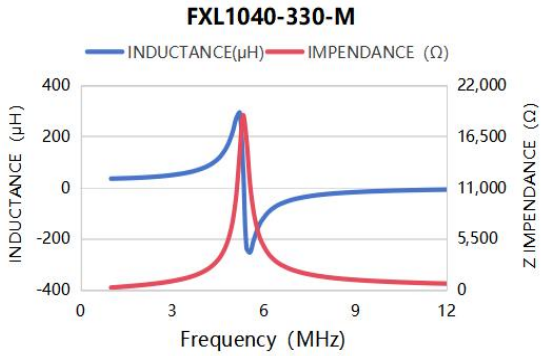
（1）Inductance and Impendance vs Frequency Characteristics

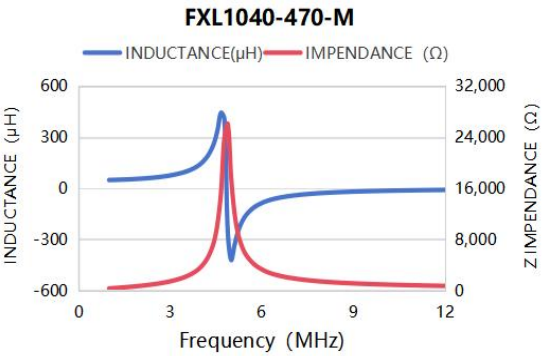
FXL1040 Series

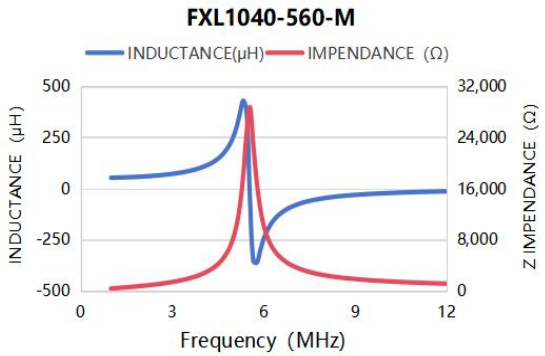


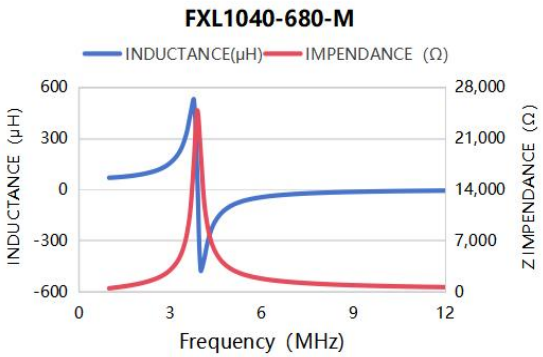


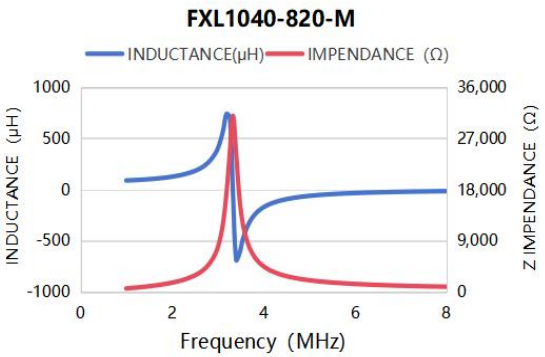








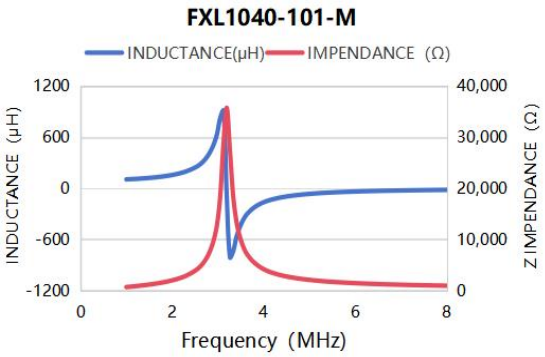




12.Typical Performance Curves

（1）Inductance and Impendance vs Frequency Characteristics

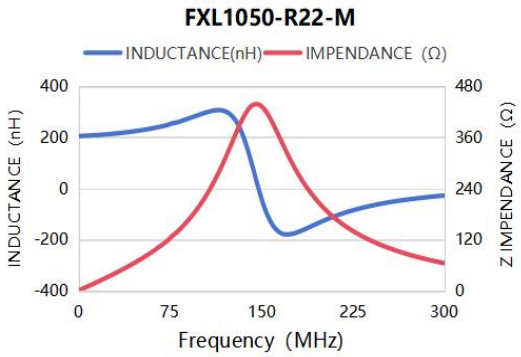
FXL1040 Series

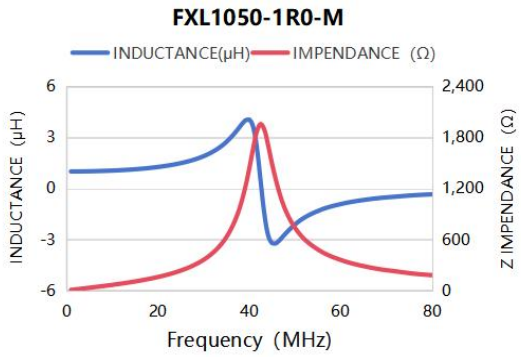


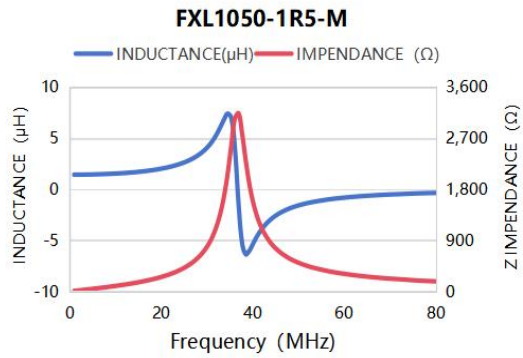
12.Typical Performance Curves

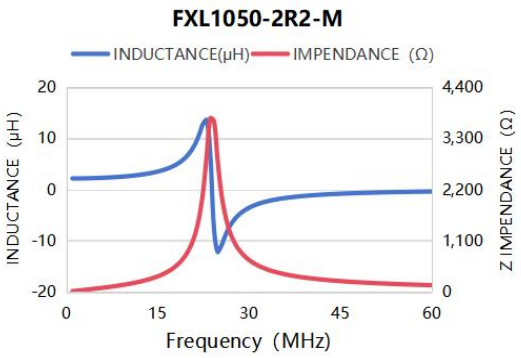
（1）Inductance and Impendance vs Frequency Characteristics

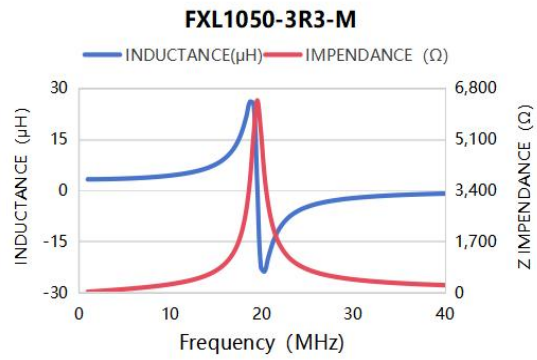
FXL1050 Series

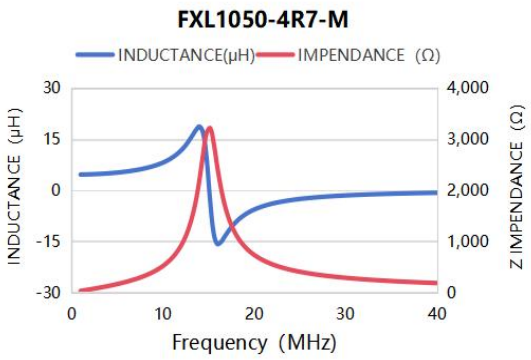


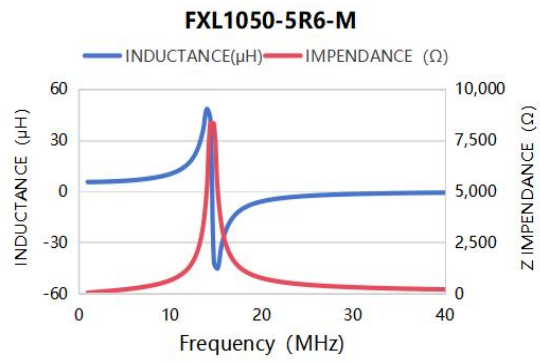


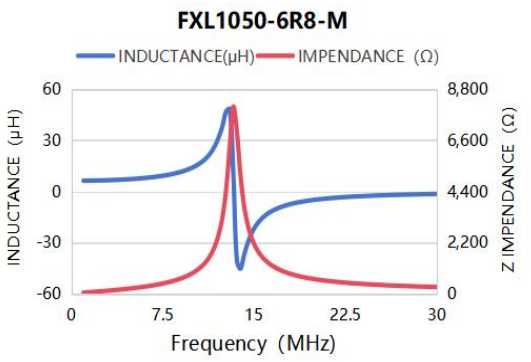








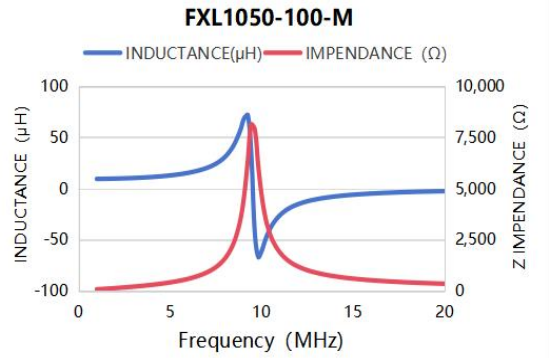


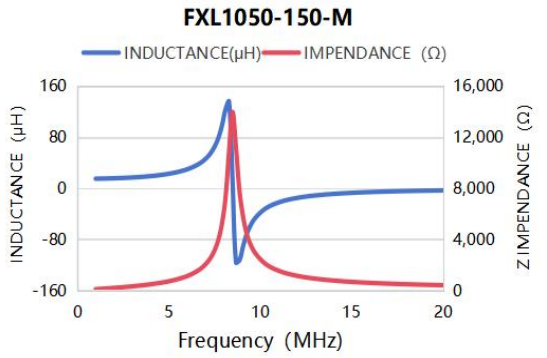


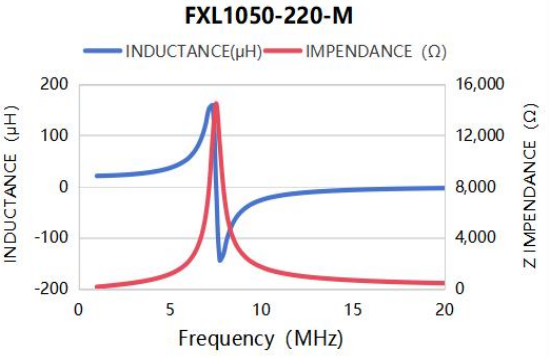
12.Typical Performance Curves

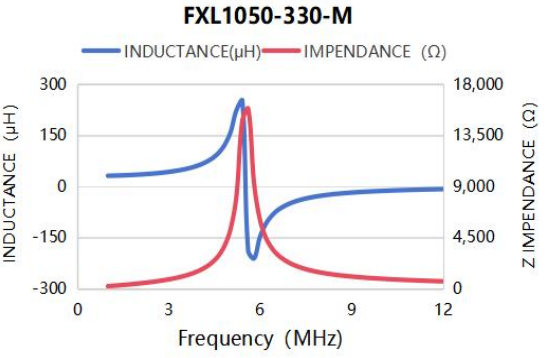
（1）Inductance and Impendance vs Frequency Characteristics

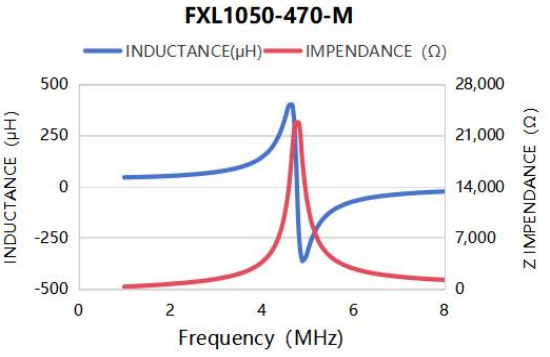
FXL1050 Series

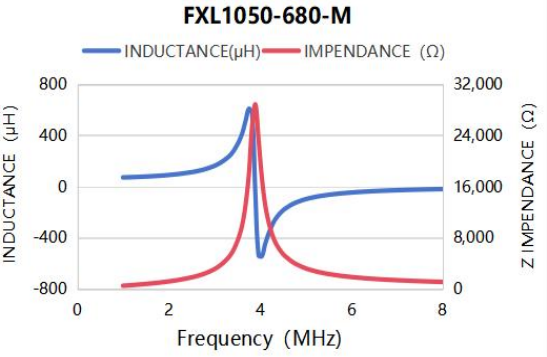


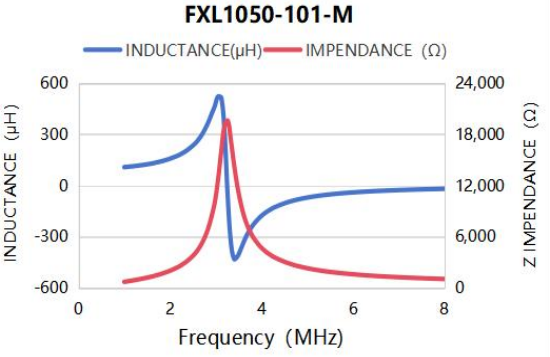








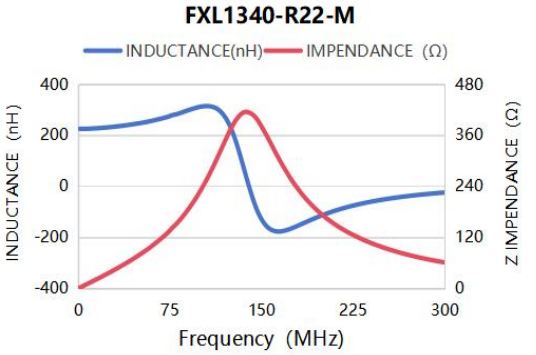


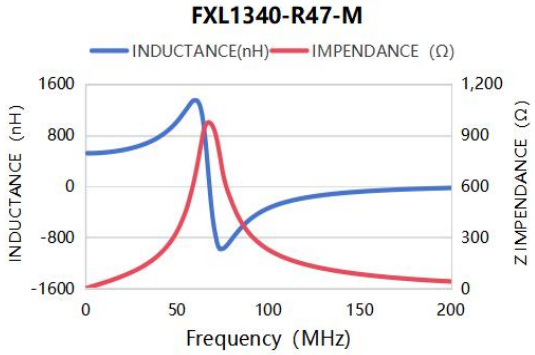


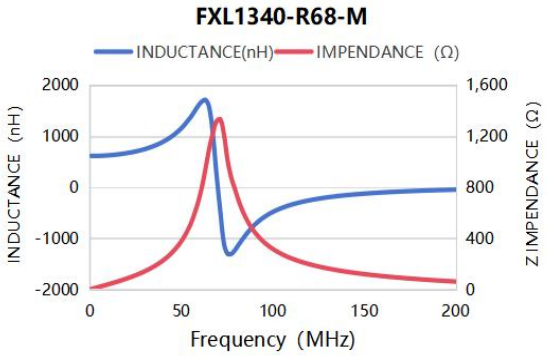
12.Typical Performance Curves

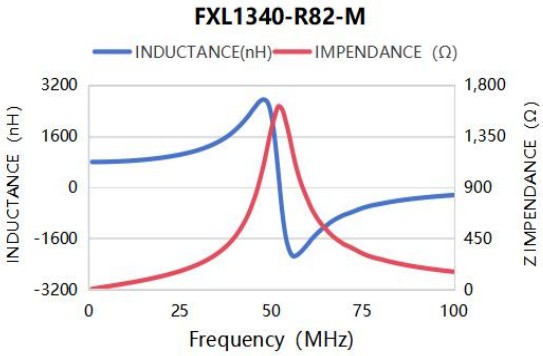
（1）Inductance and Impendance vs Frequency Characteristics

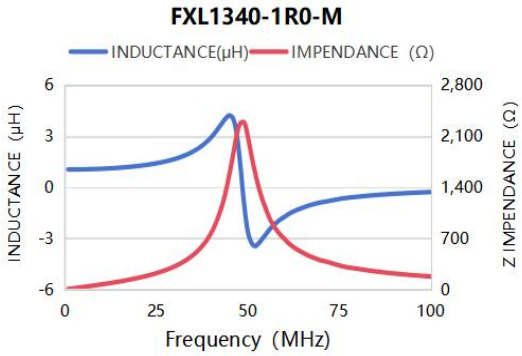
FXL1340 Series

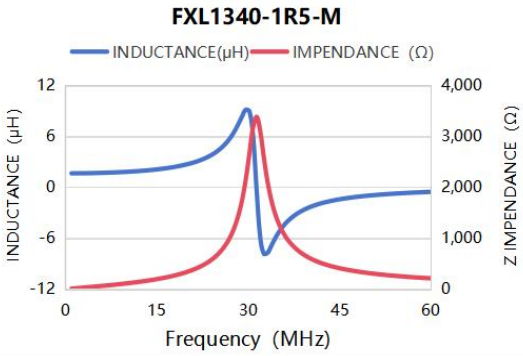


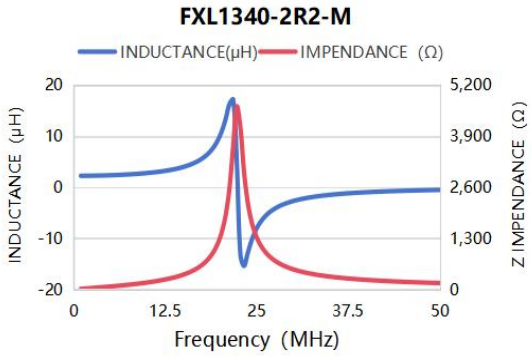


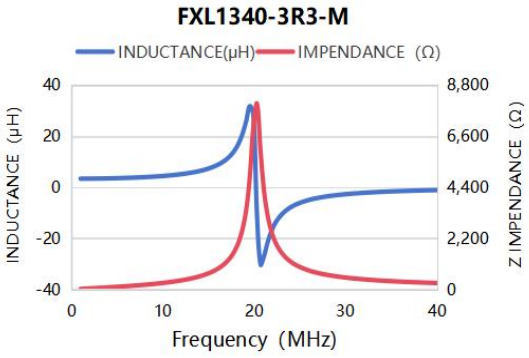








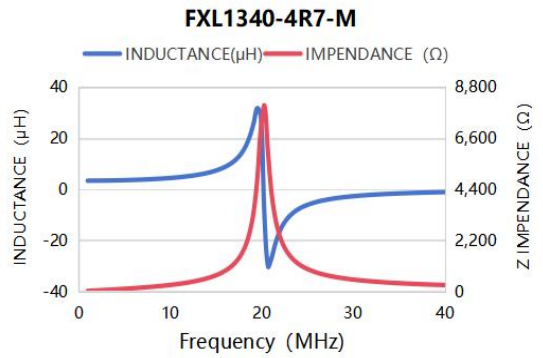


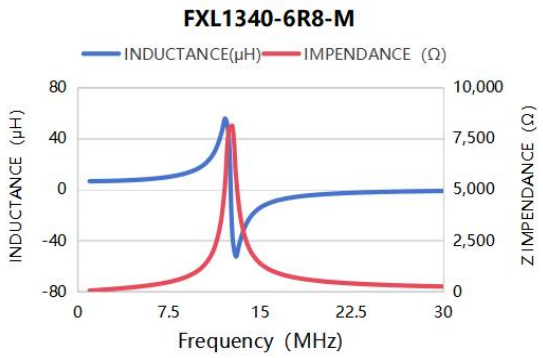


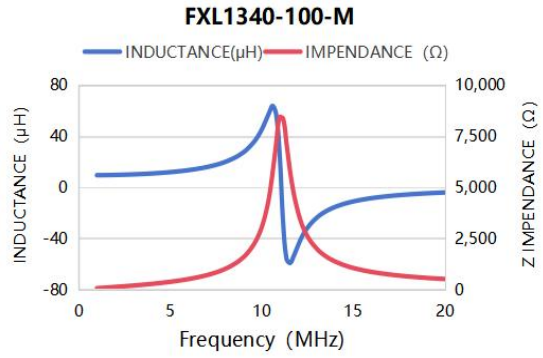
12.Typical Performance Curves

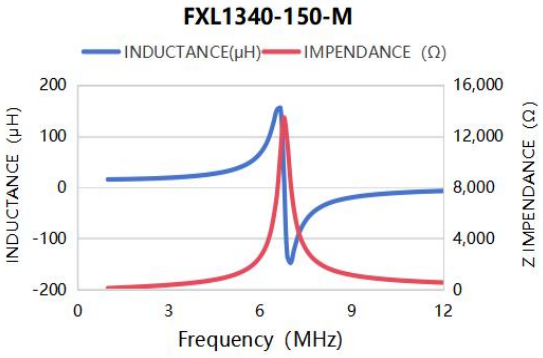
（1）Inductance and Impendance vs Frequency Characteristics

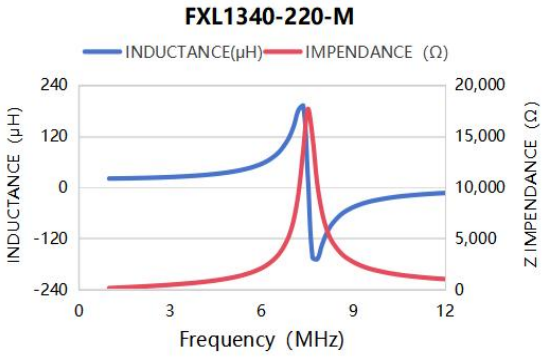
FXL1340 Series







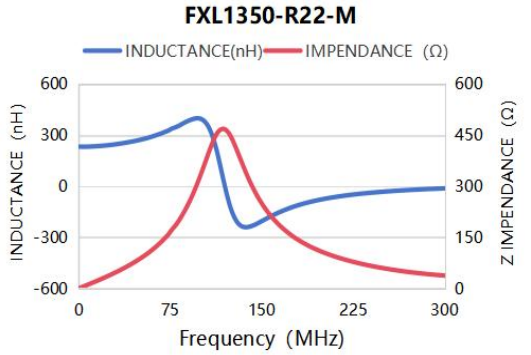


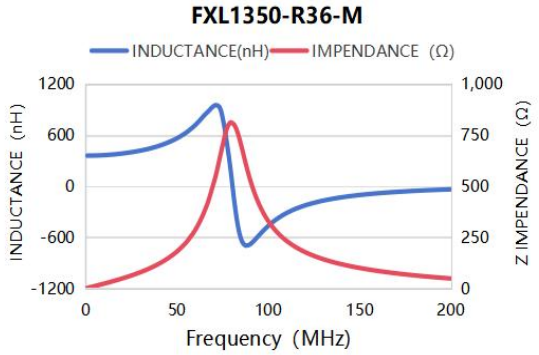


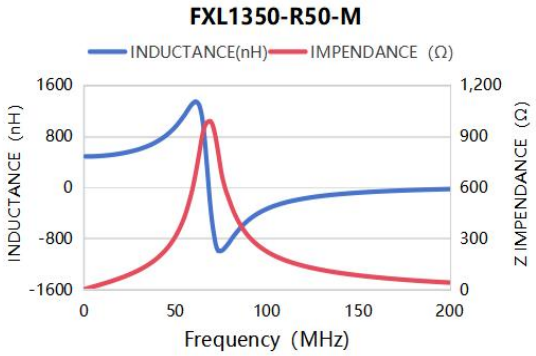
12.Typical Performance Curves

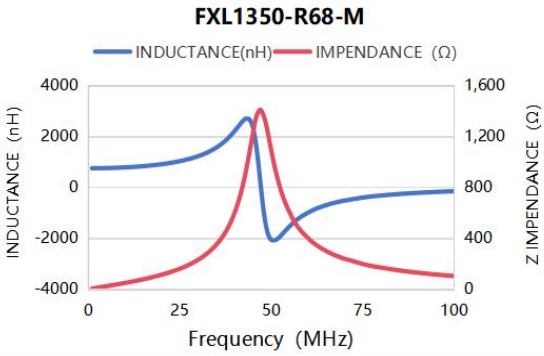
（1）Inductance and Impendance vs Frequency Characteristics

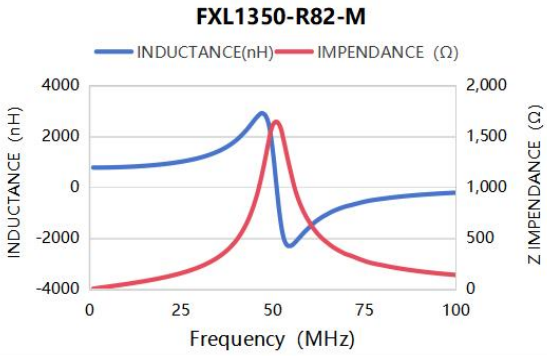
FXL1350 Series

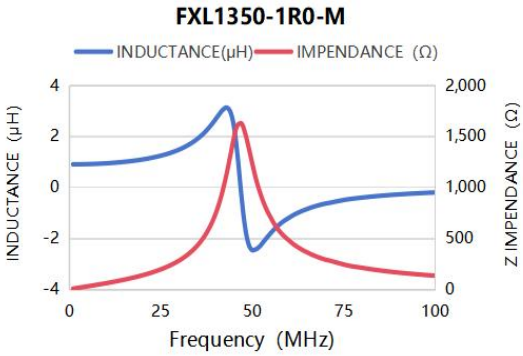


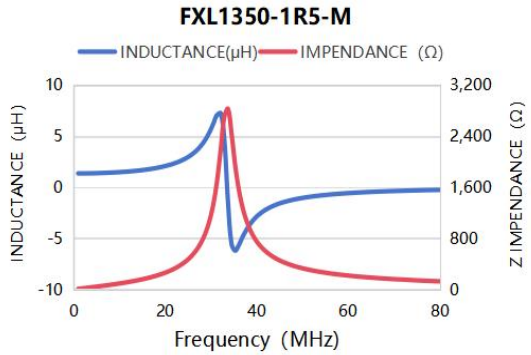


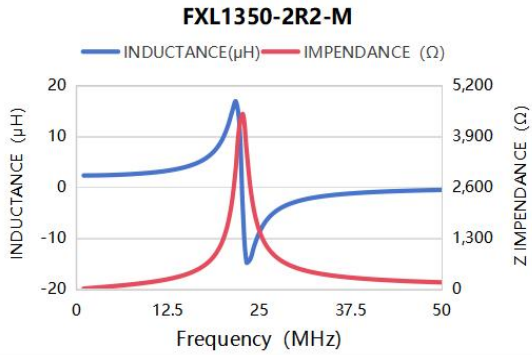








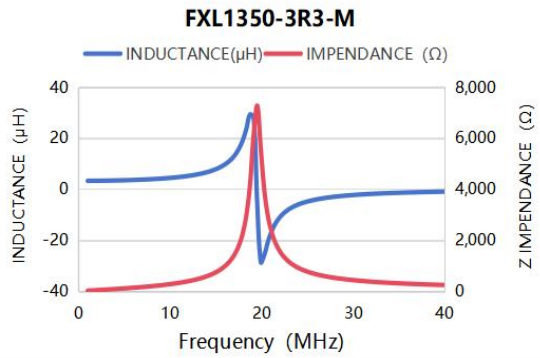


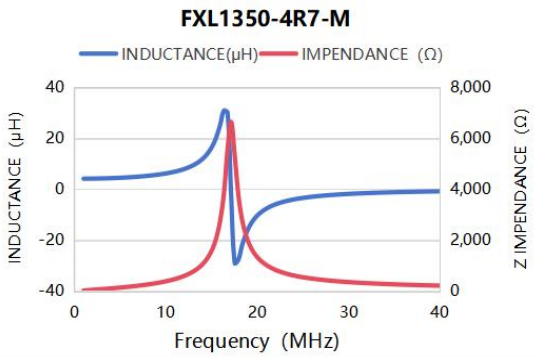


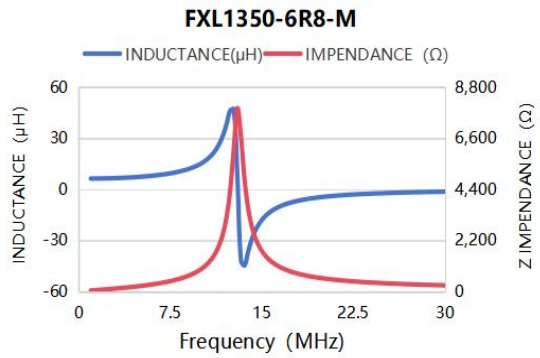
12.Typical Performance Curves

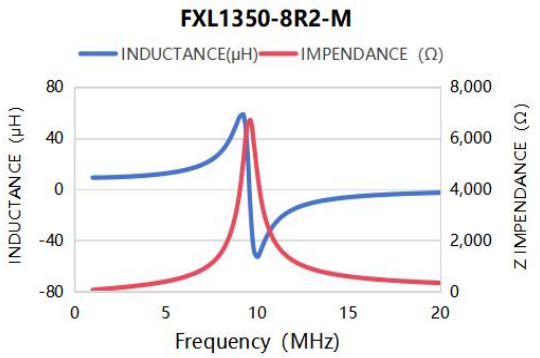
（1）Inductance and Impendance vs Frequency Characteristics

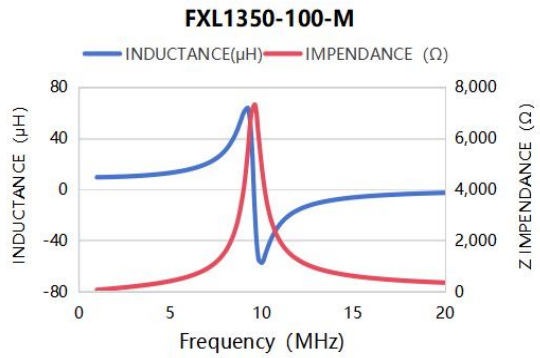
FXL1350 Series

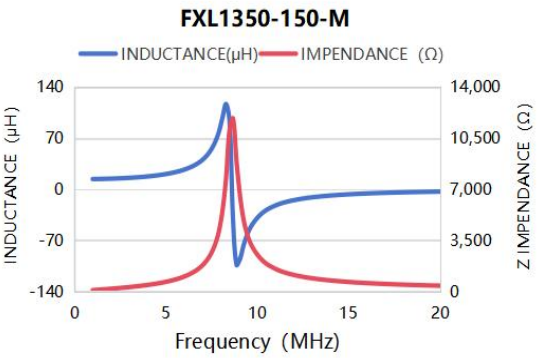


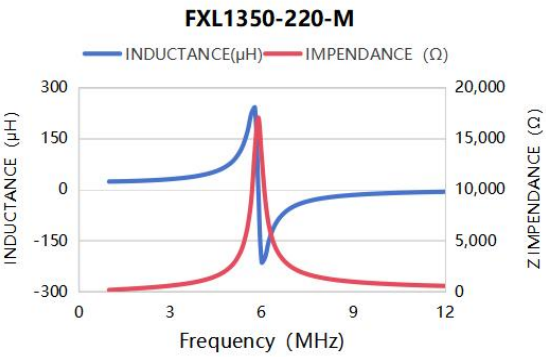


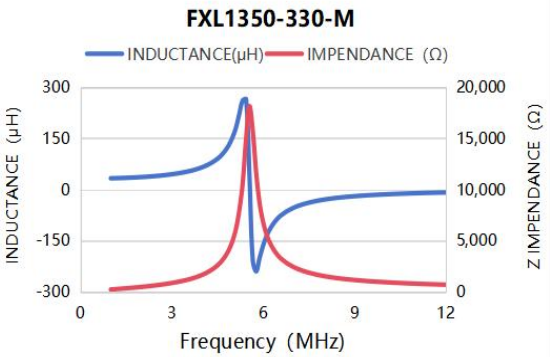








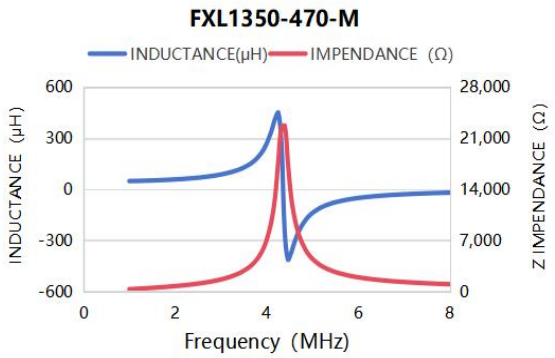




12.Typical Performance Curves

（1）Inductance and Impendance vs Frequency Characteristics

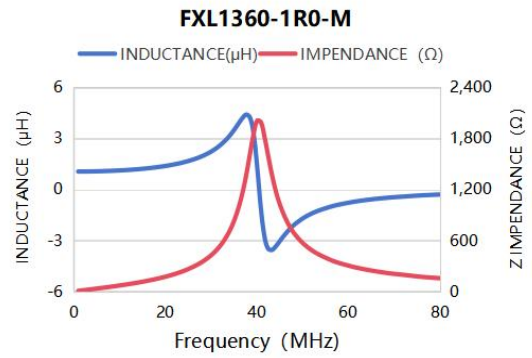
FXL1350 Series

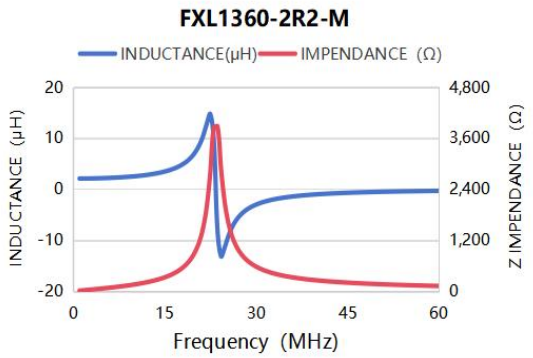


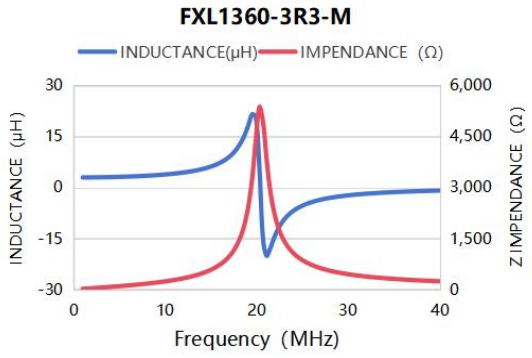
12.Typical Performance Curves

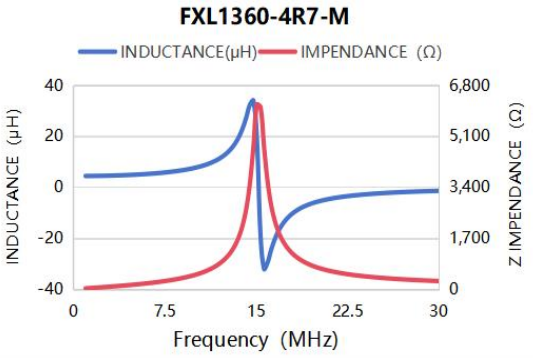
（1）Inductance and Impendance vs Frequency Characteristics

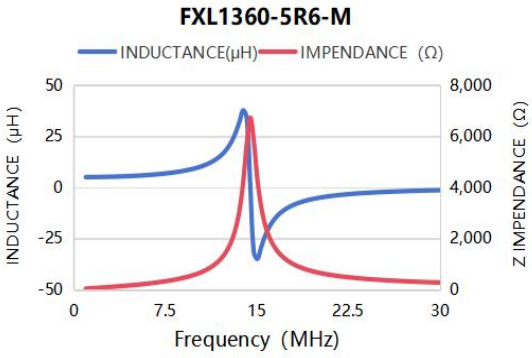
FXL1360 Series

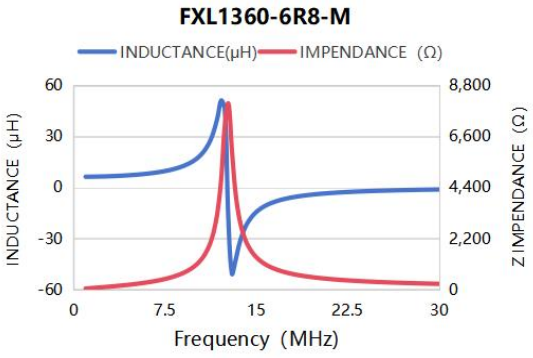


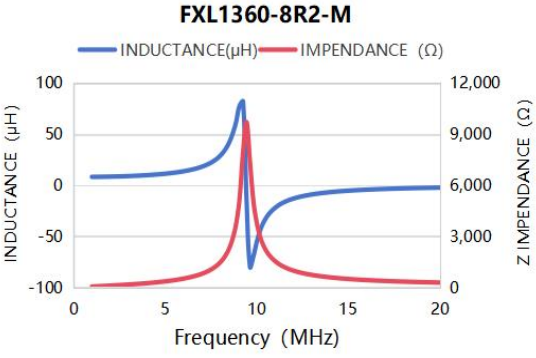


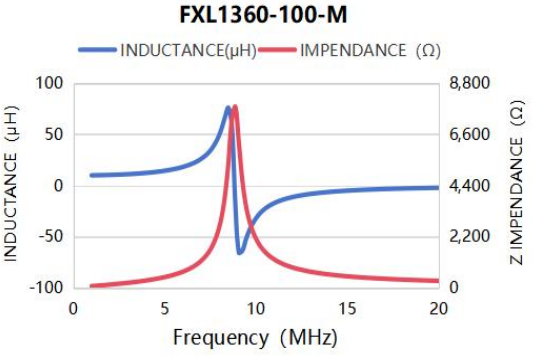








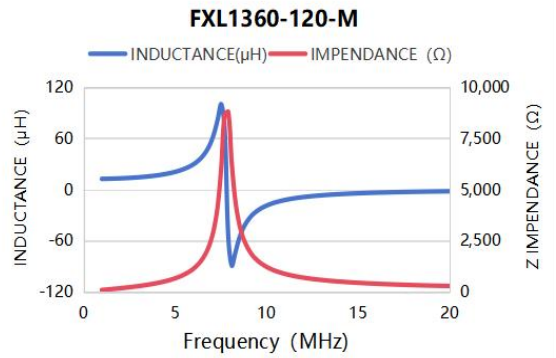


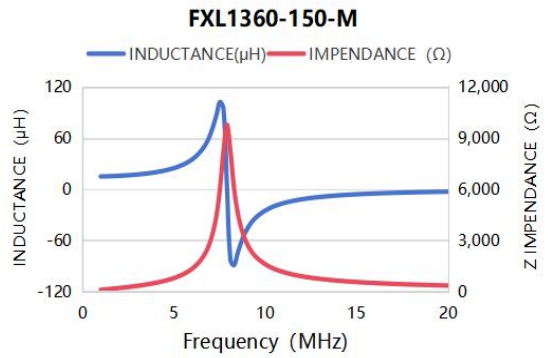


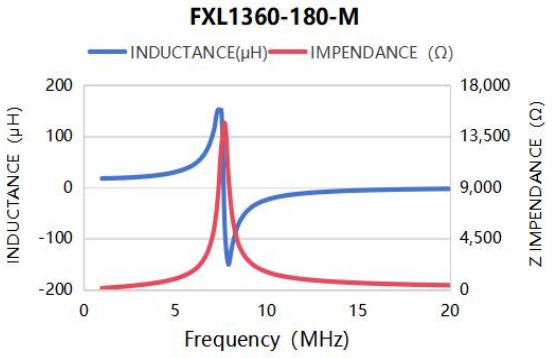
12.Typical Performance Curves

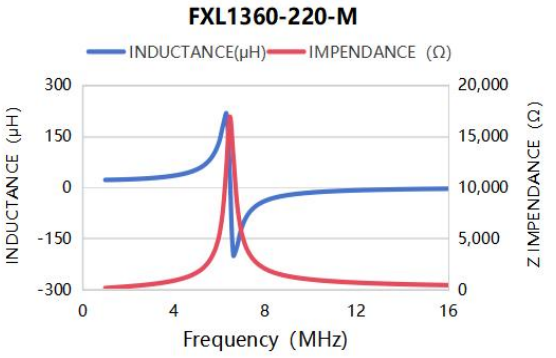
（1）Inductance and Impendance vs Frequency Characteristics

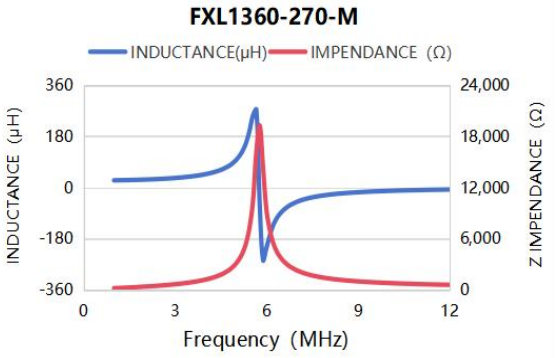
FXL1360 Series

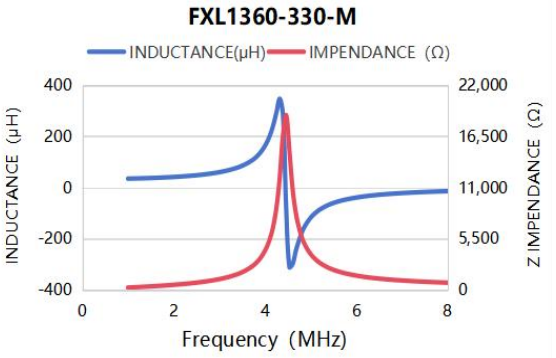


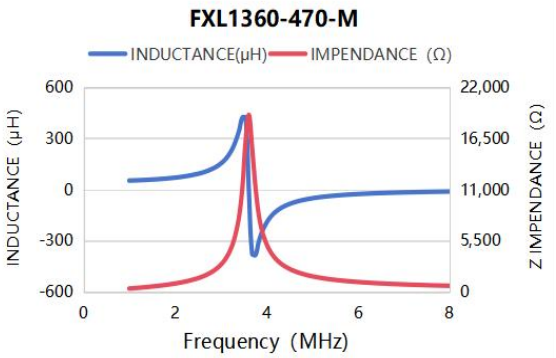


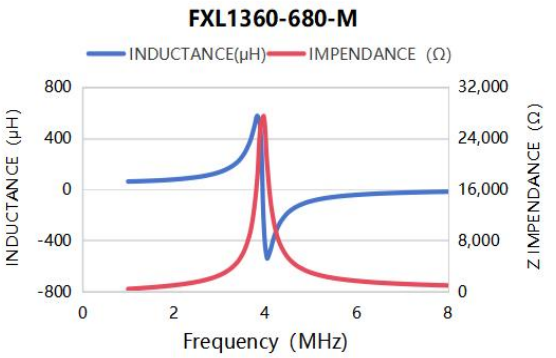








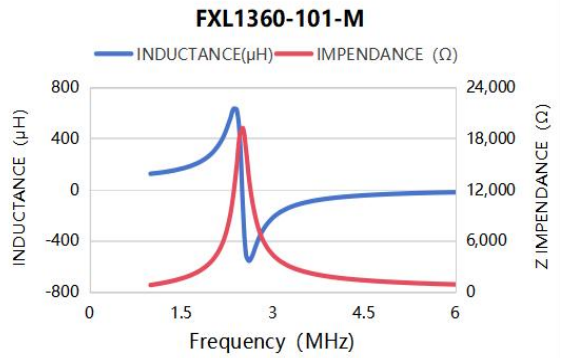


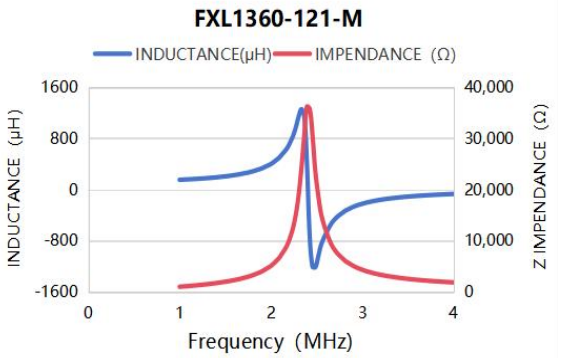


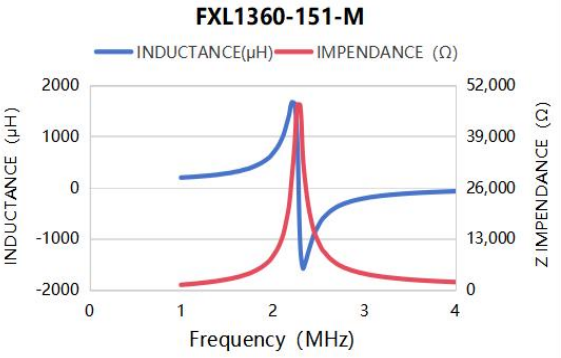
12.Typical Performance Curves

（1）Inductance and Impendance vs Frequency Characteristics

FXL1360 Series



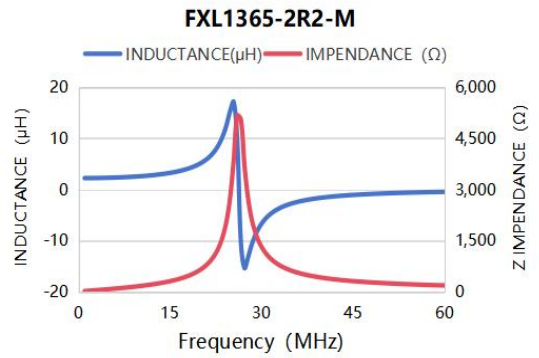


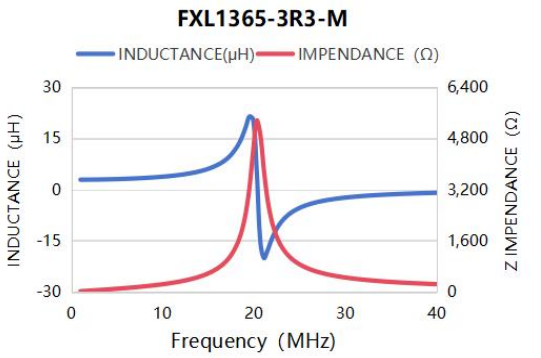


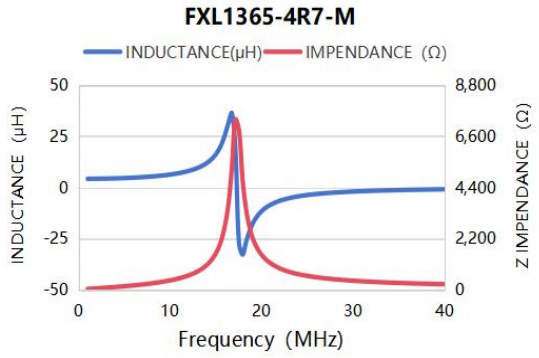
12.Typical Performance Curves

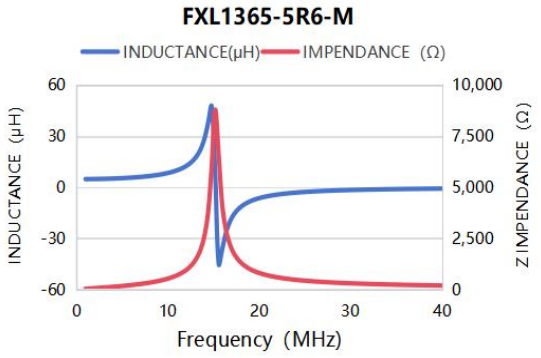
（1）Inductance and Impendance vs Frequency Characteristics

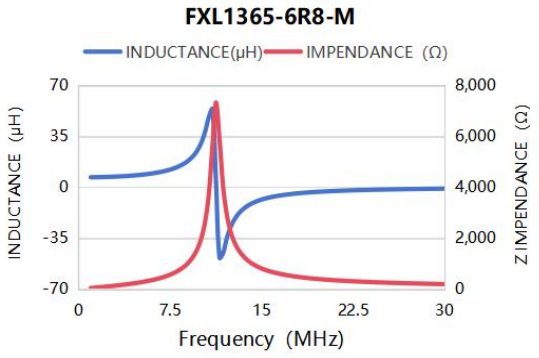
FXL1365 Series

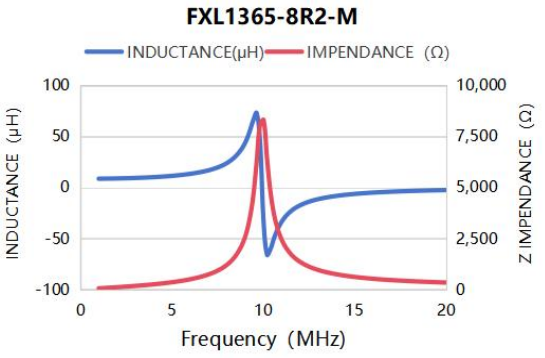


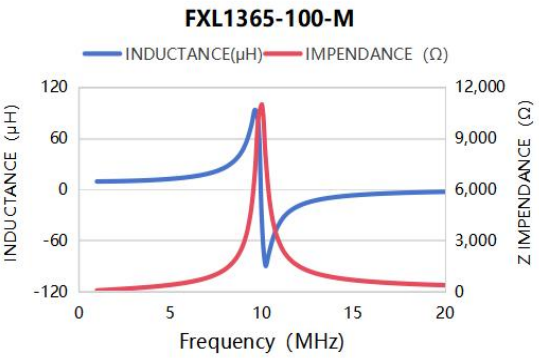


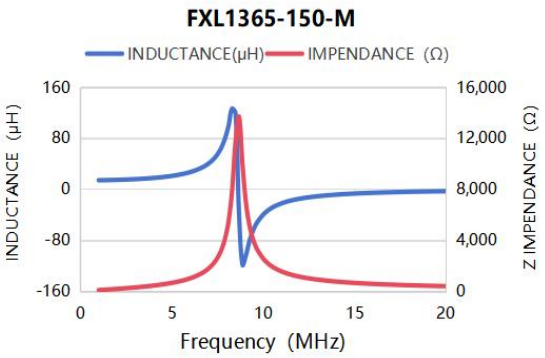








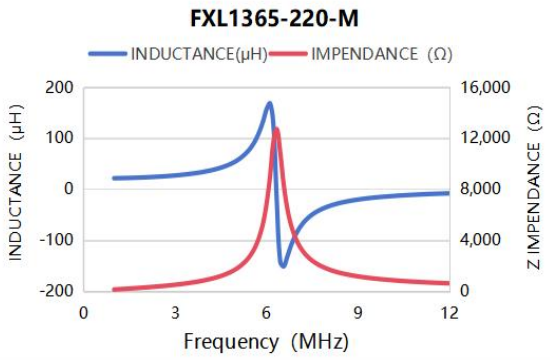


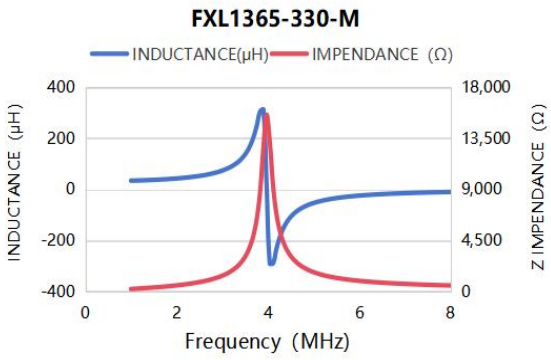


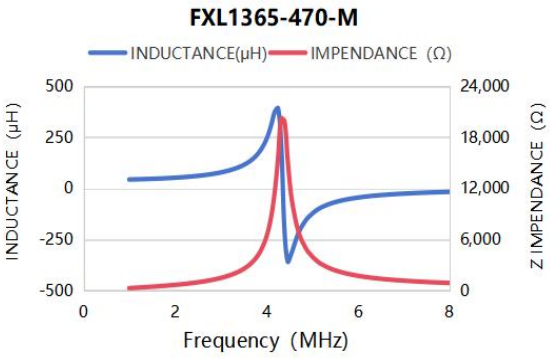
12.Typical Performance Curves

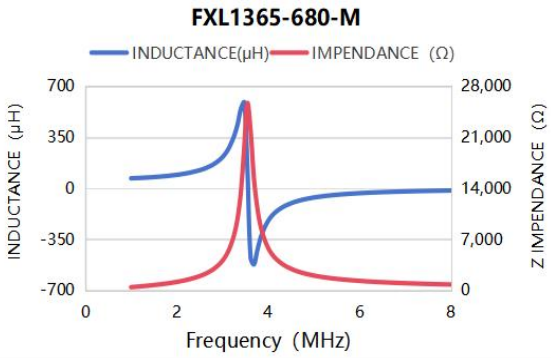
（1）Inductance and Impendance vs Frequency Characteristics

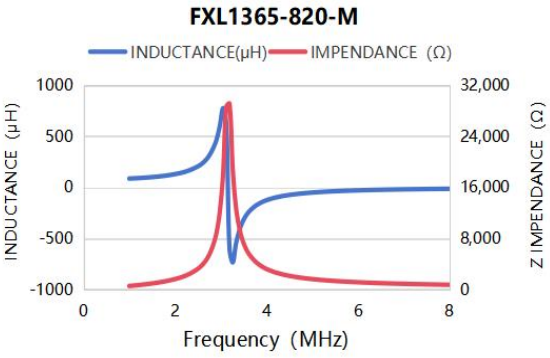
FXL1365 Series

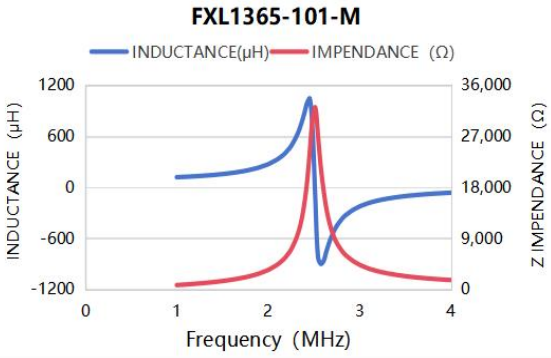








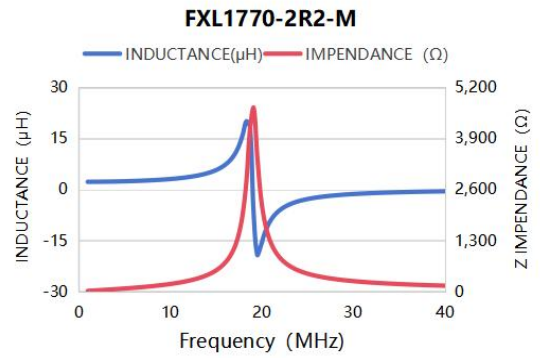


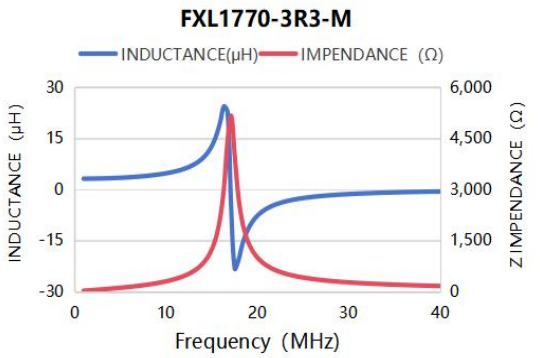


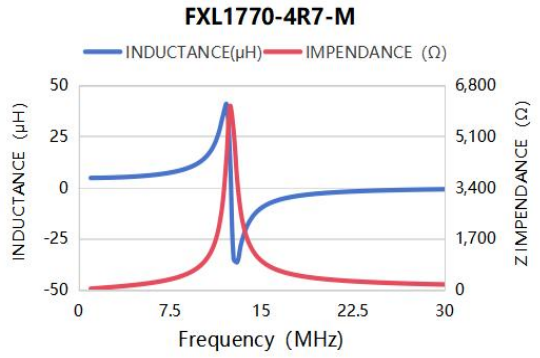
12.Typical Performance Curves

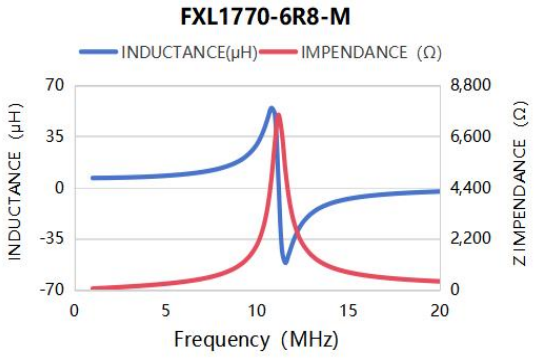
（1）Inductance and Impendance vs Frequency Characteristics

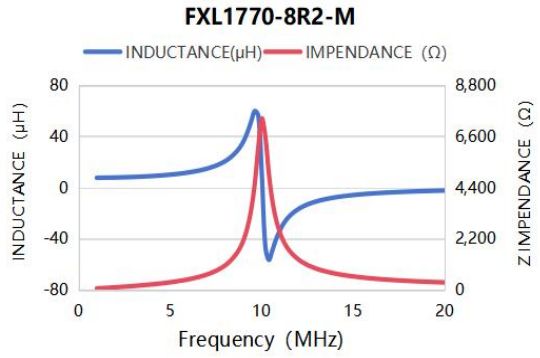
FXL1770 Series

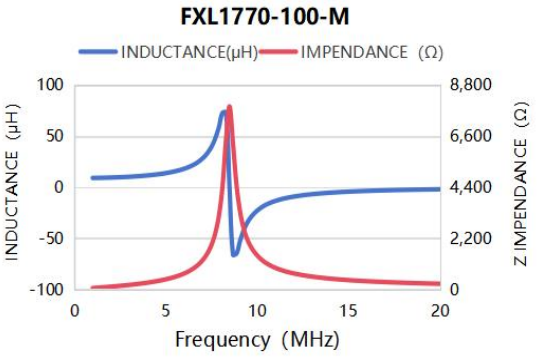


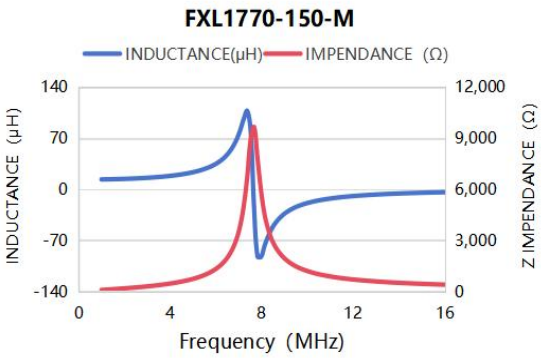


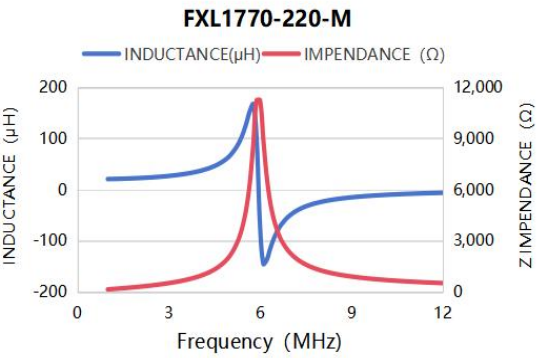








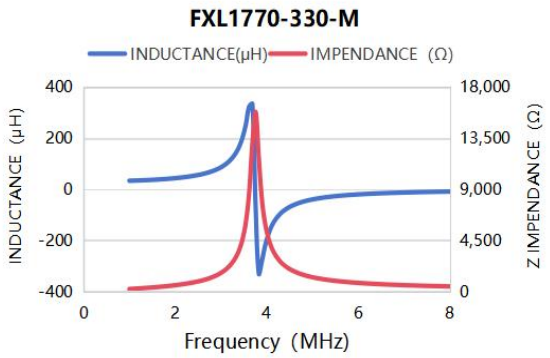


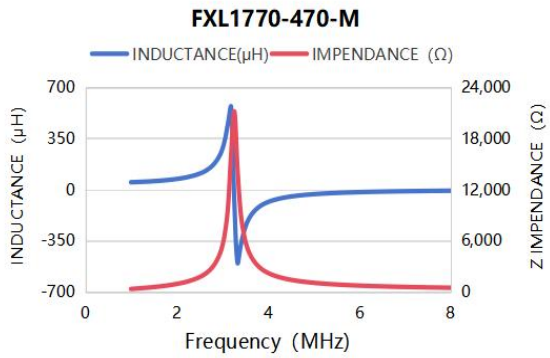


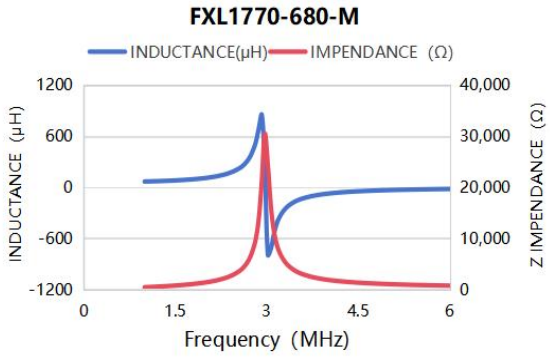
12.Typical Performance Curves

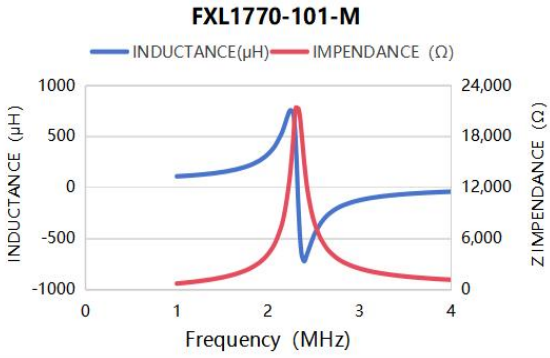
（1）Inductance and Impendance vs Frequency Characteristics

FXL1770 Series





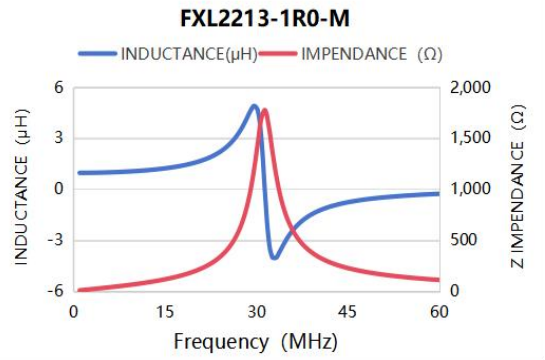


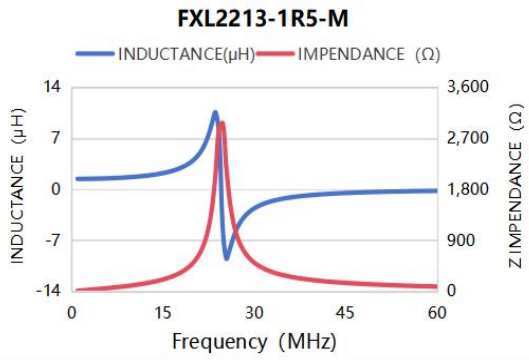


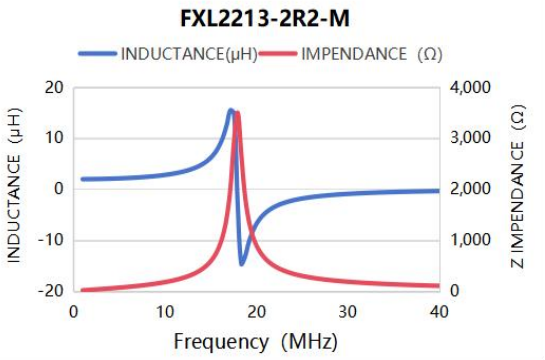
12.Typical Performance Curves

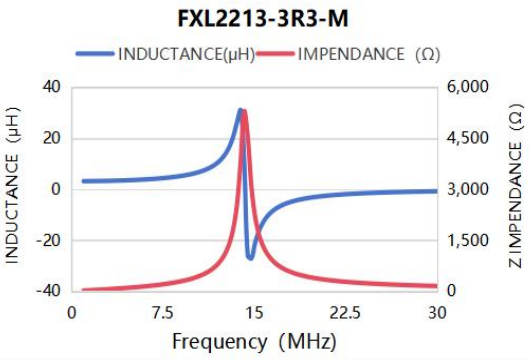
（1）Inductance and Impendance vs Frequency Characteristics

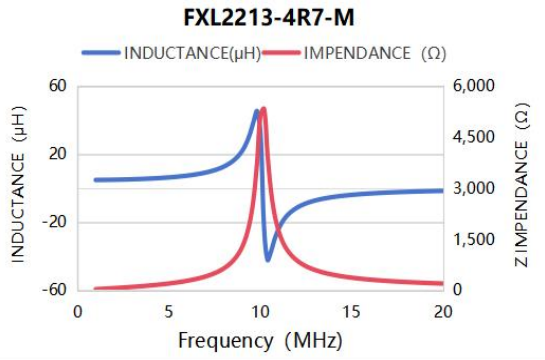
FXL2213 Series

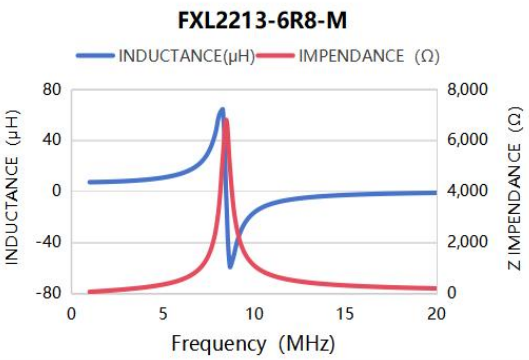


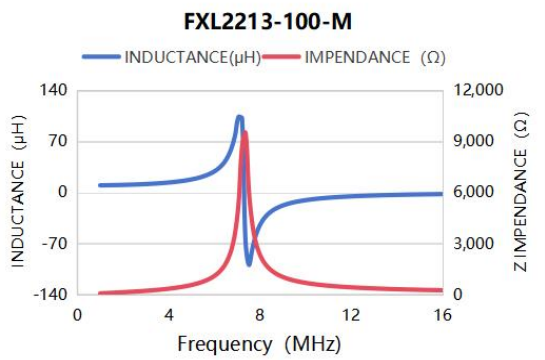


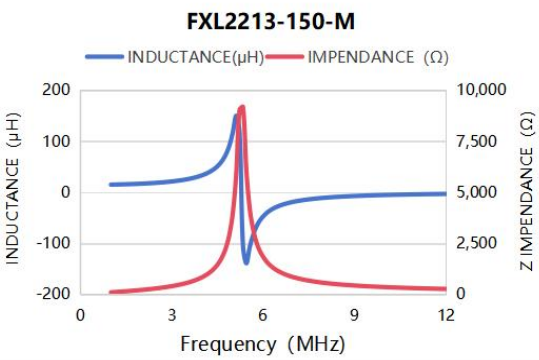








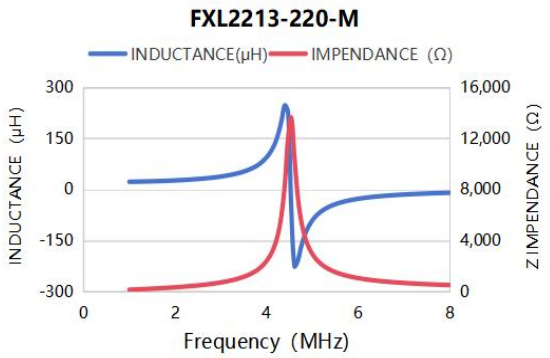


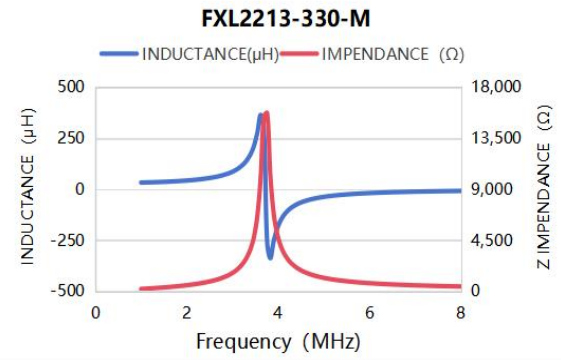


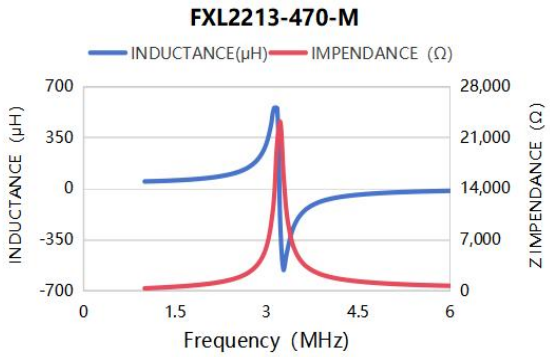
12.Typical Performance Curves

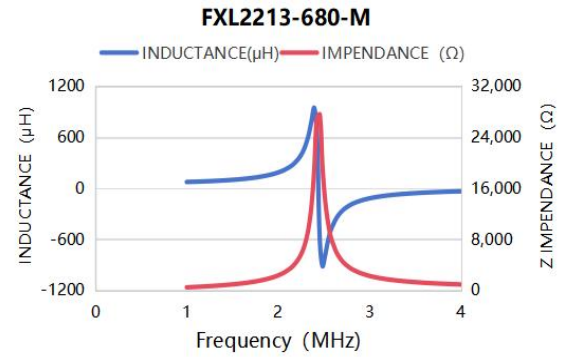
（1）Inductance and Impendance vs Frequency Characteristics

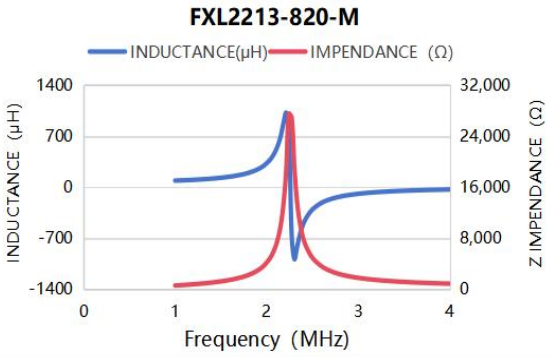
FXL2213 Series

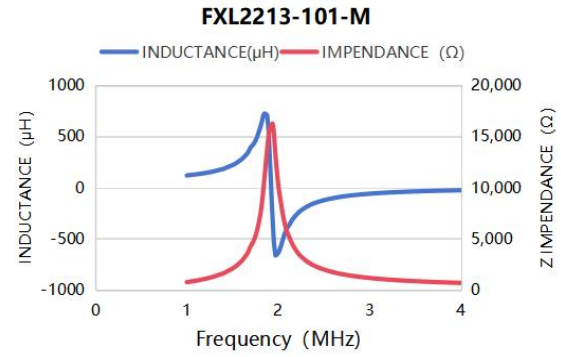












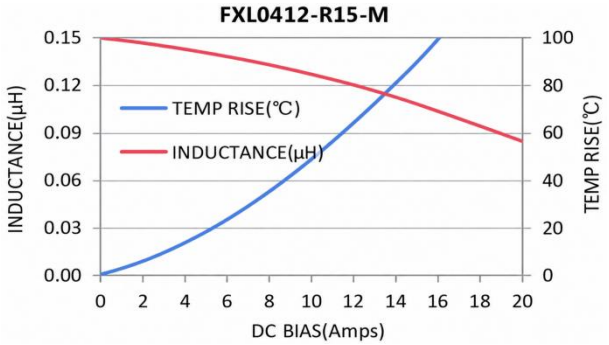
Notes

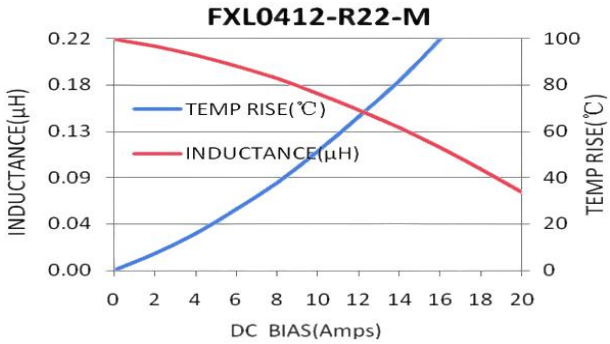
The curves presented are based on actual product testing across a frequency range of 1 MHz to 1 GHz. They are representative of typical performance and are intended to assist with precise product selection.However, please note that minor variations may occur between individual units; therefore, these curves are for reference only.

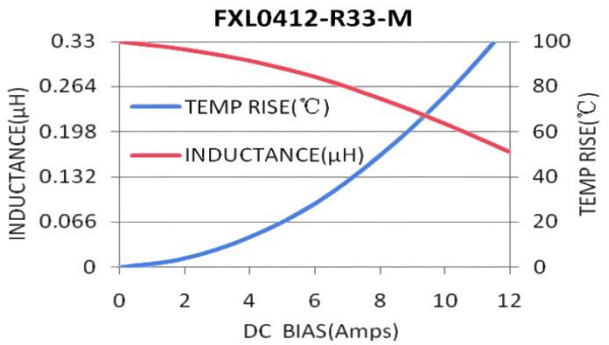
12.Typical Performance Curves

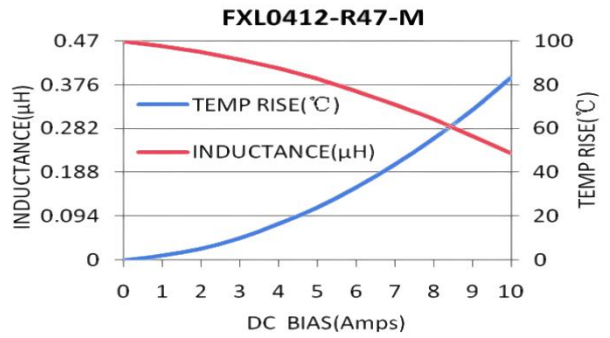
（2）Inductance and Temperature vs DC Current Characteristics

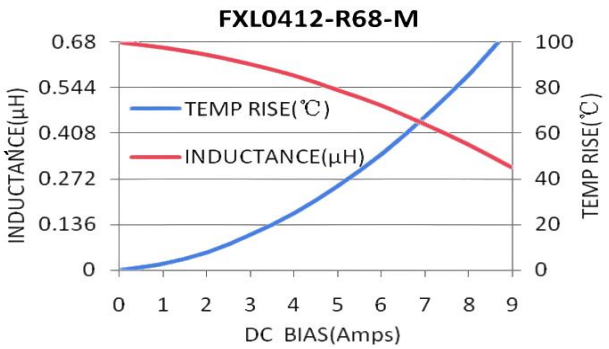
FXL0412 Series

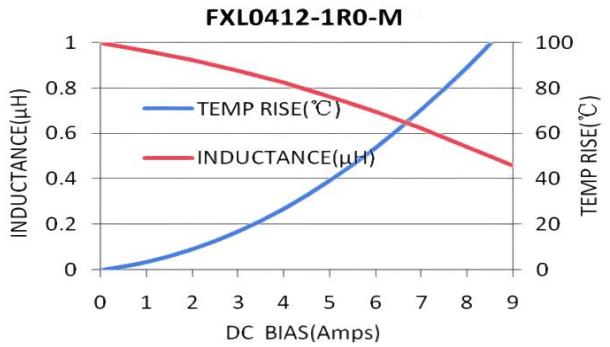


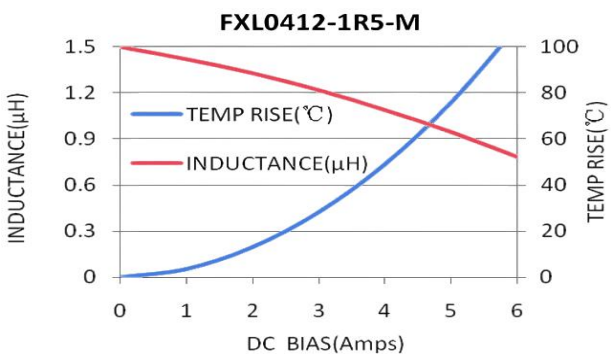


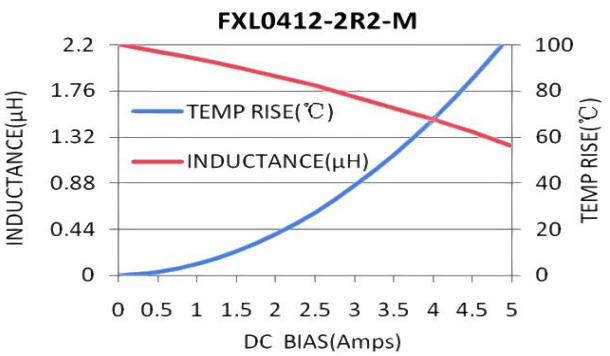








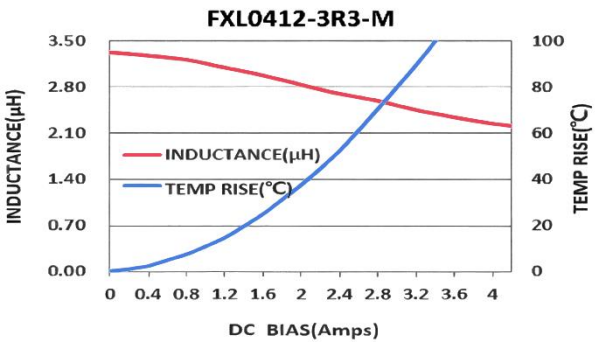


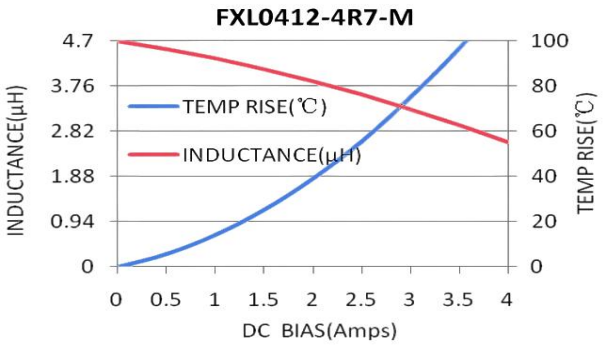


12.Typical Performance Curves

（2）Inductance and Temperature vs DC Current Characteristics

FXL0412 Series

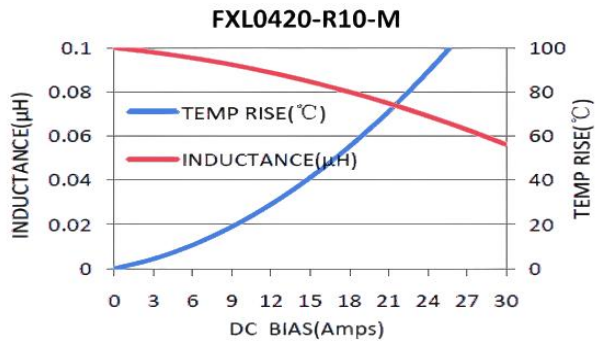


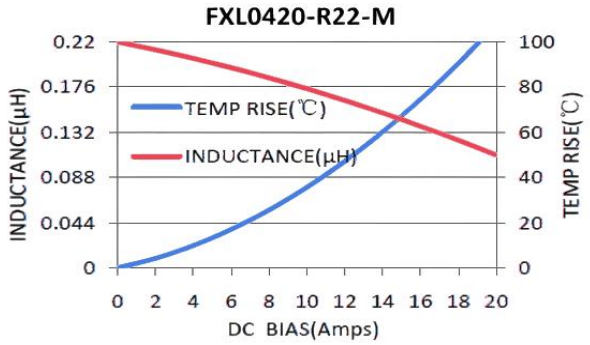


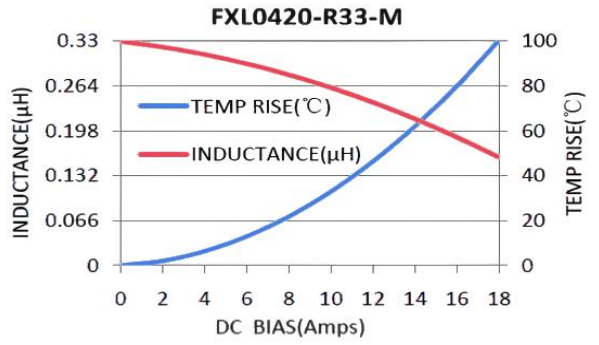
12.Typical Performance Curves

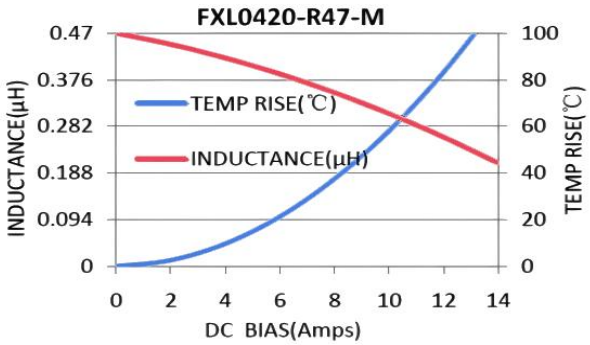
（2）Inductance and Temperature vs DC Current Characteristics

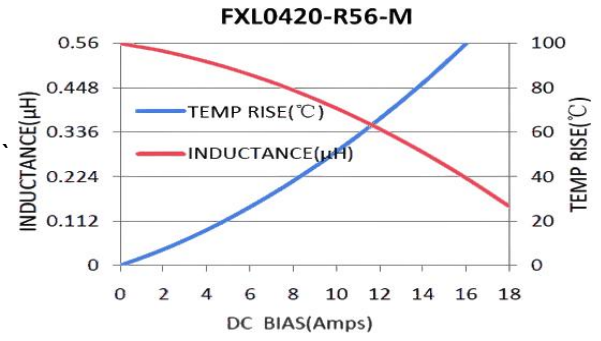
FXL0420 Series

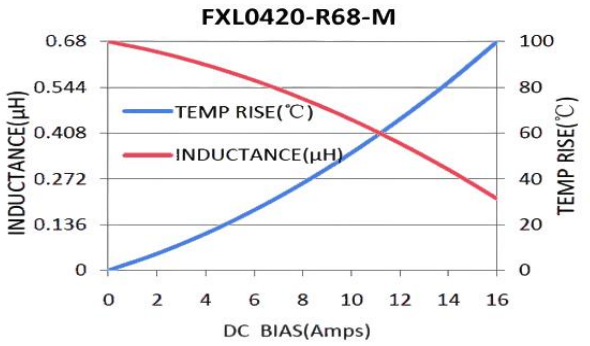


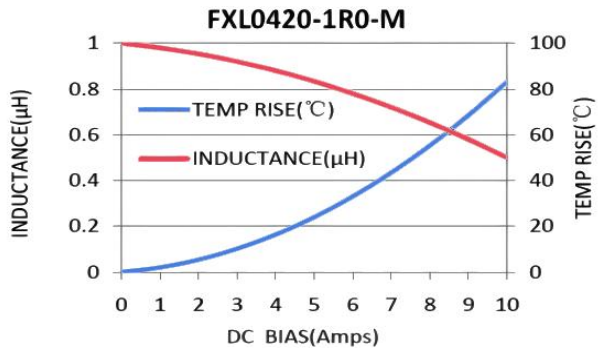


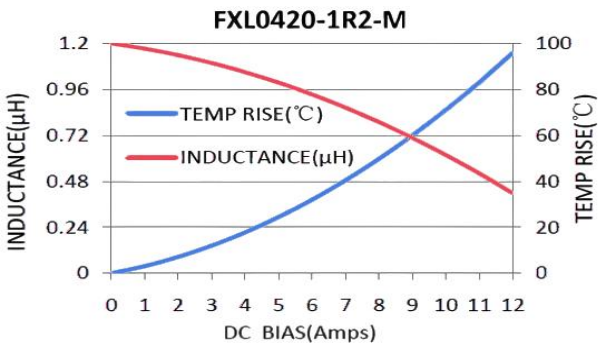








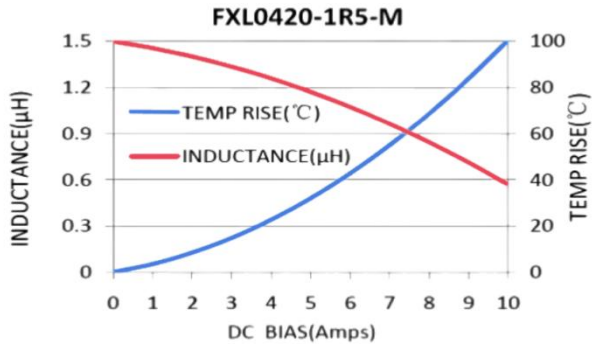


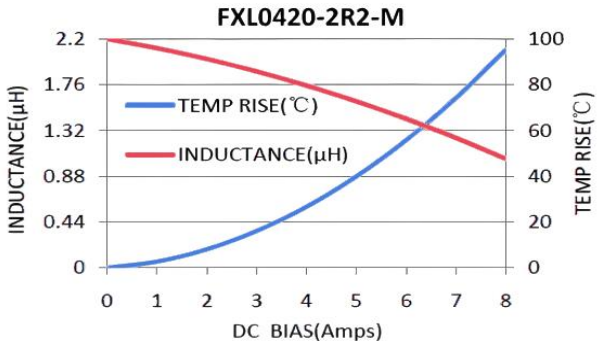


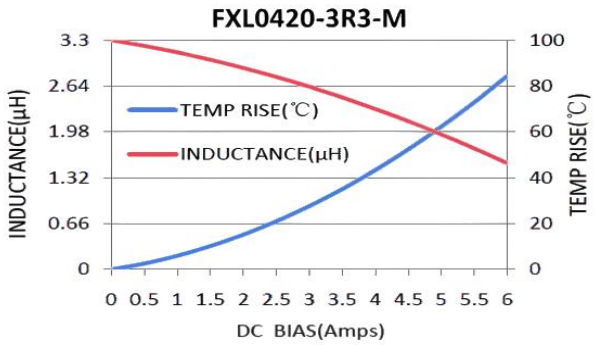
12.Typical Performance Curves

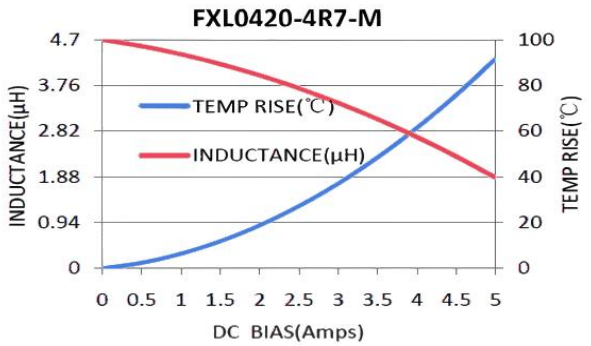
（2）Inductance and Temperature vs DC Current Characteristics

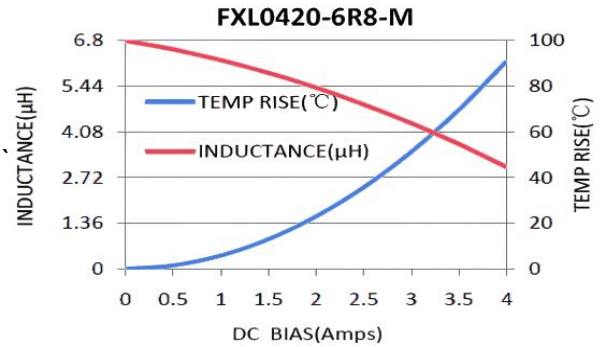
FXL0420 Series

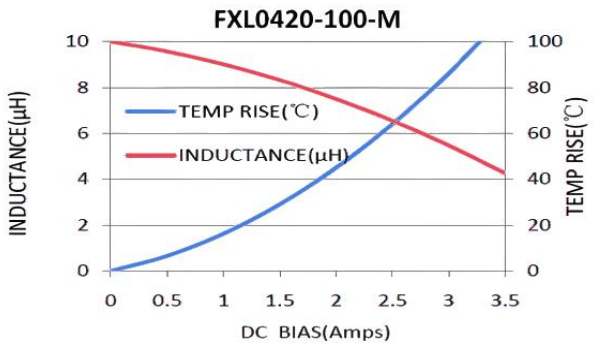


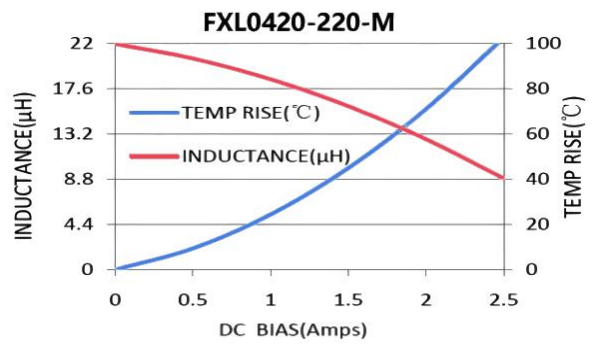








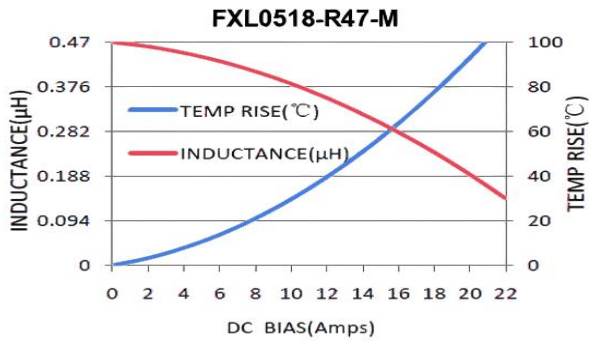


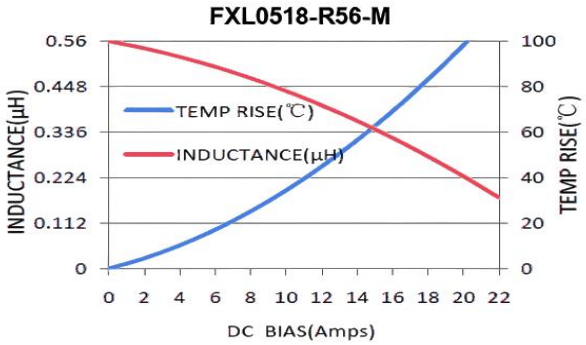


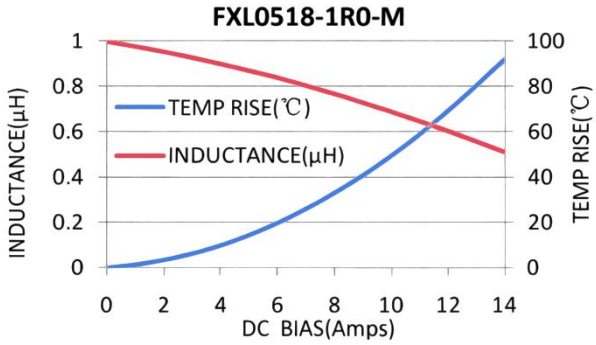
12.Typical Performance Curves

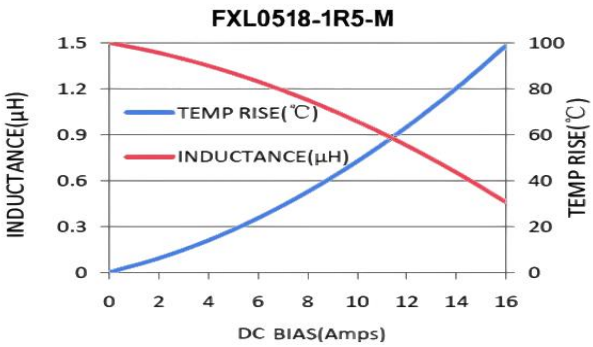
（2）Inductance and Temperature vs DC Current Characteristics

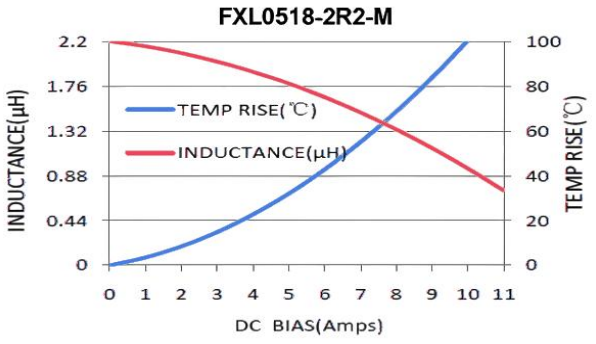
FXL0518 Series

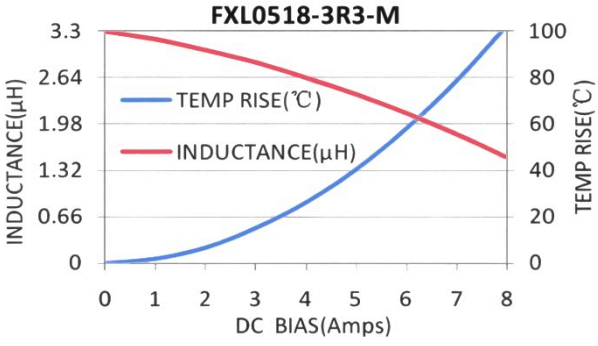


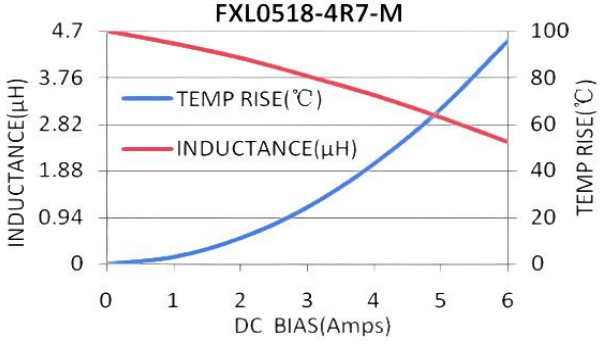


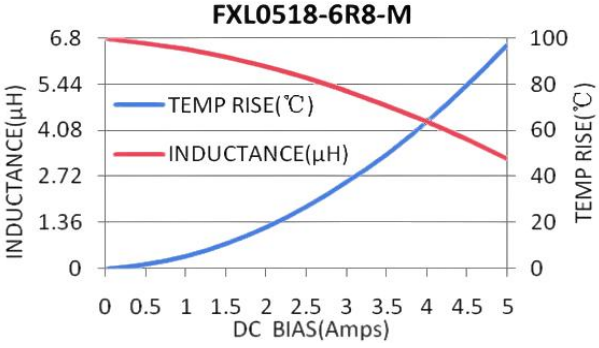








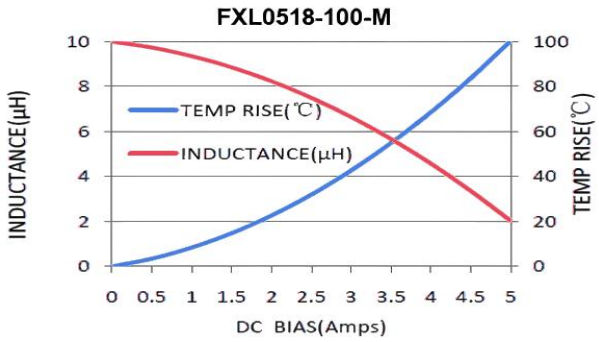




12.Typical Performance Curves

（2）Inductance and Temperature vs DC Current Characteristics

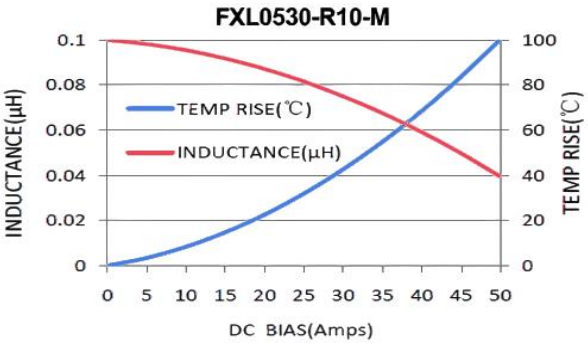
FXL0518 Series

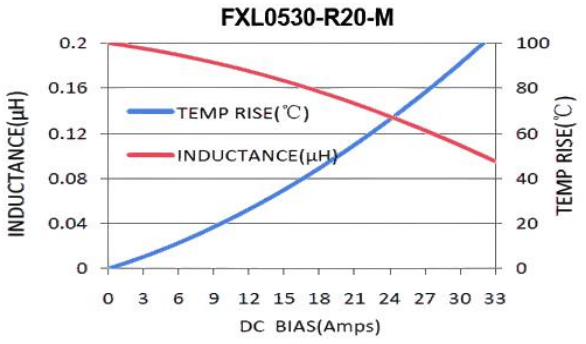


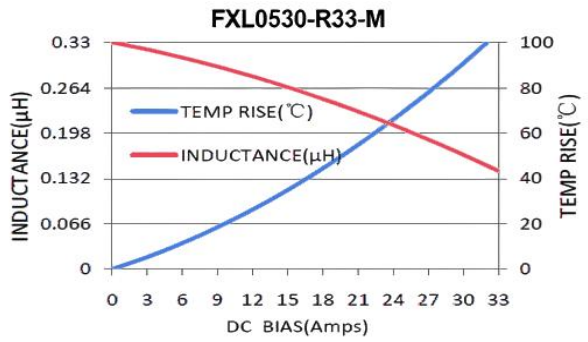
12.Typical Performance Curves

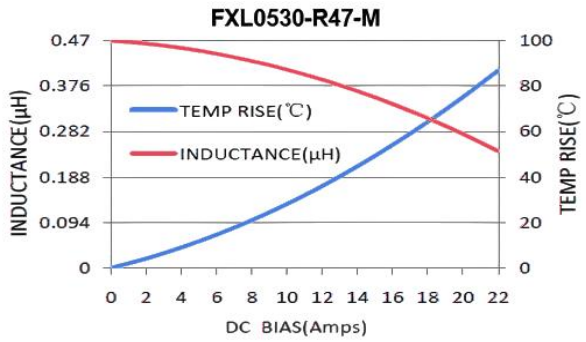
（2）Inductance and Temperature vs DC Current Characteristics

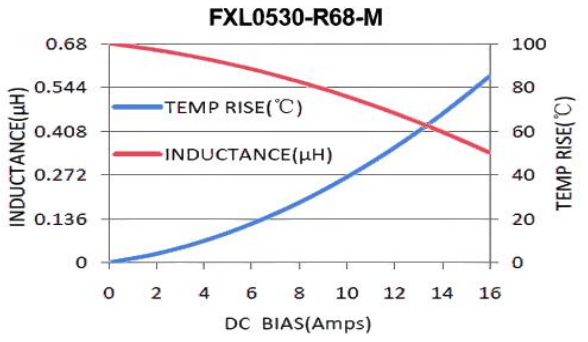
FXL0530 Series

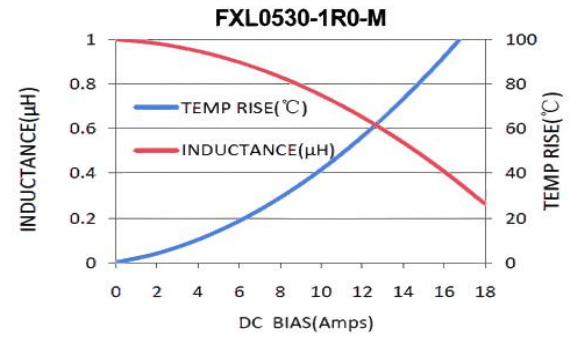


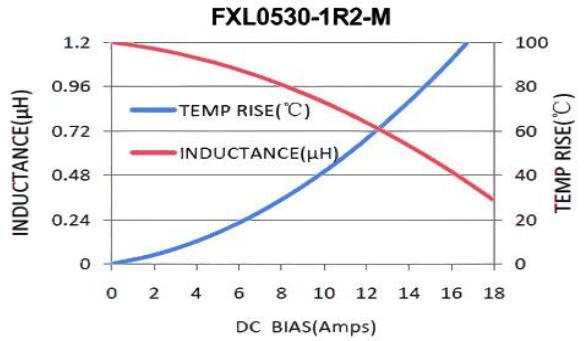


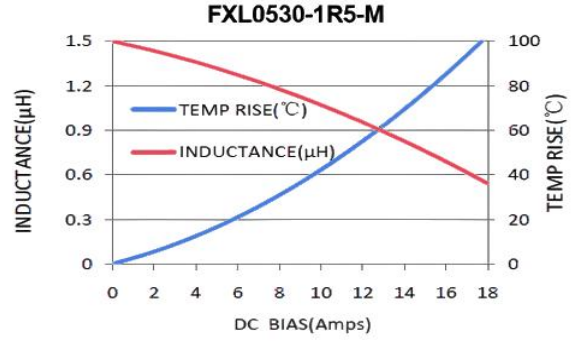








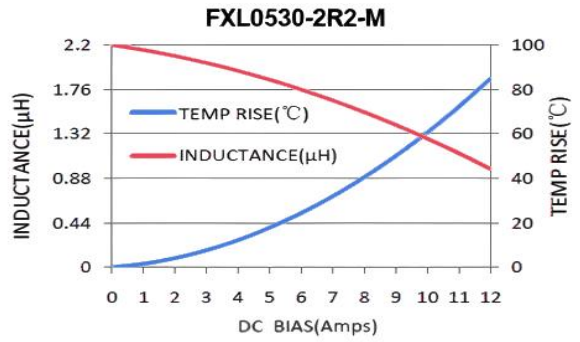


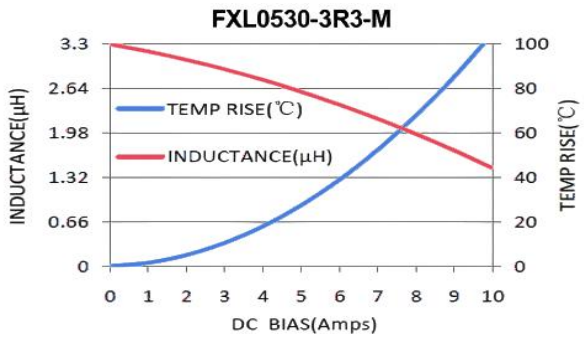


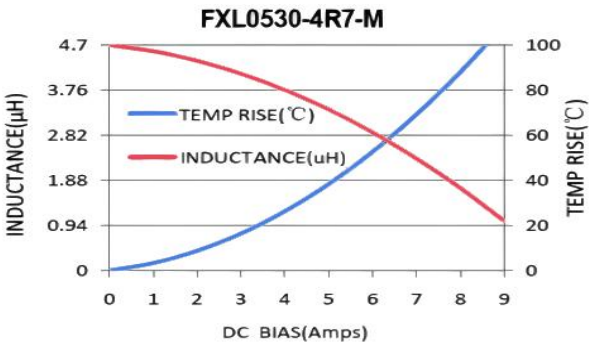
12.Typical Performance Curves

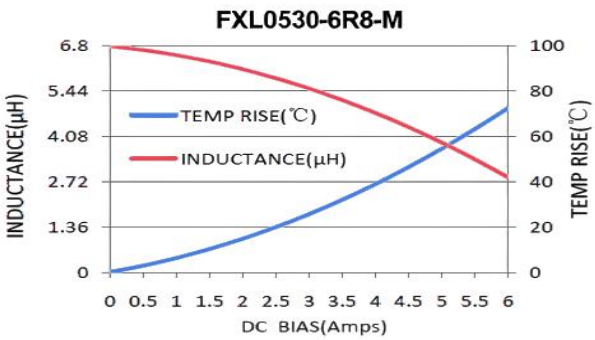
（2）Inductance and Temperature vs DC Current Characteristics

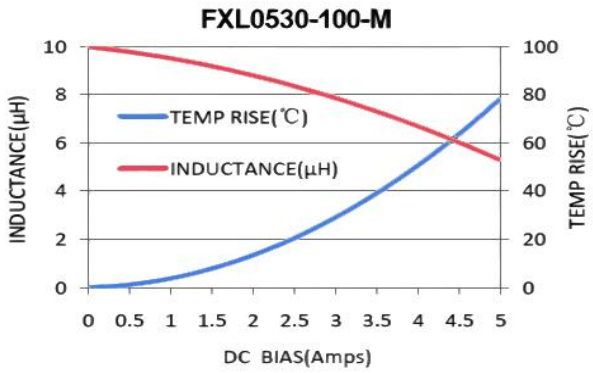
FXL0530 Series

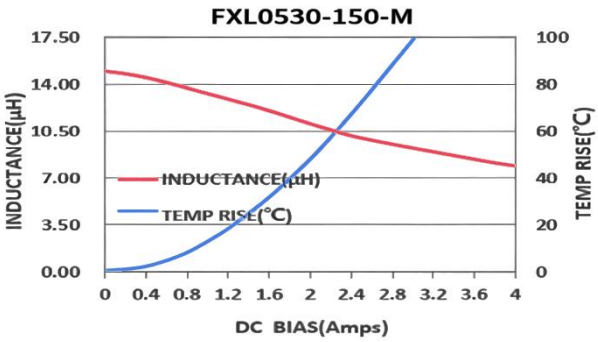


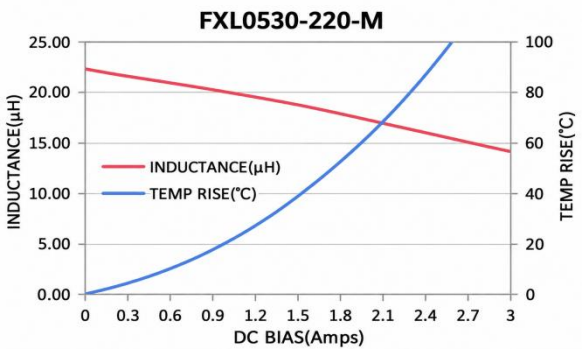








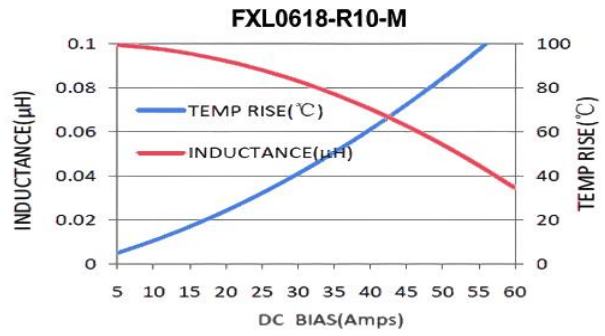


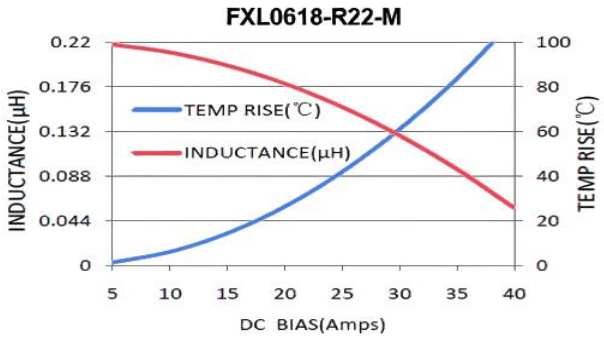


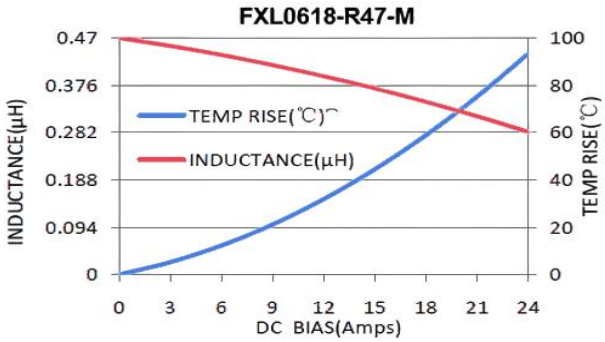
12.Typical Performance Curves

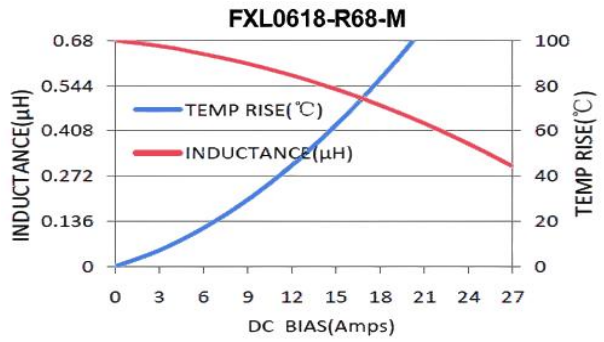
（2）Inductance and Temperature vs DC Current Characteristics

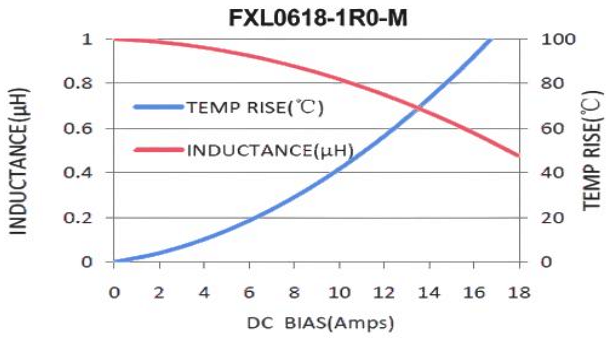
FXL0618 Series

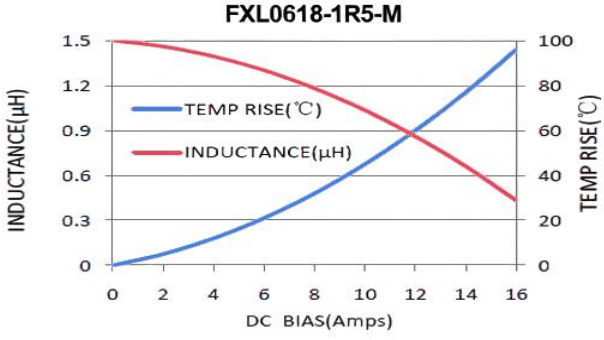


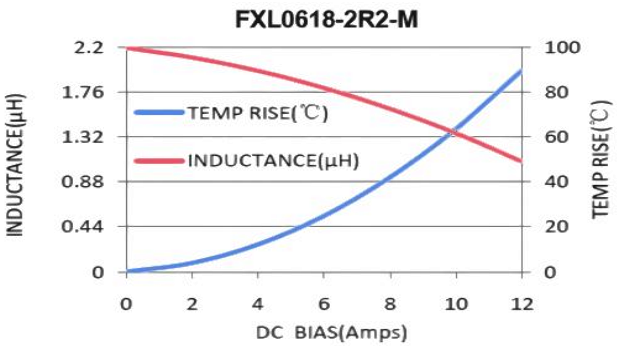


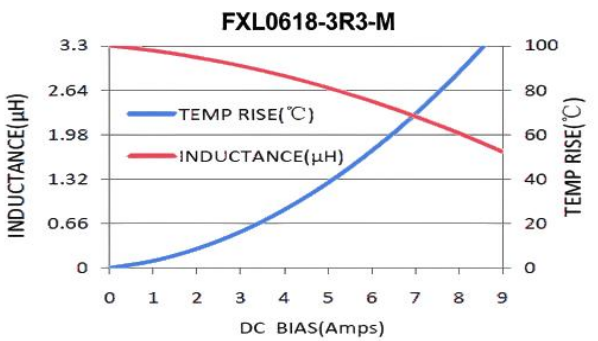








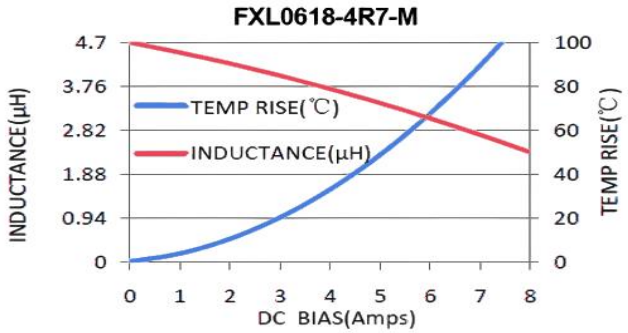


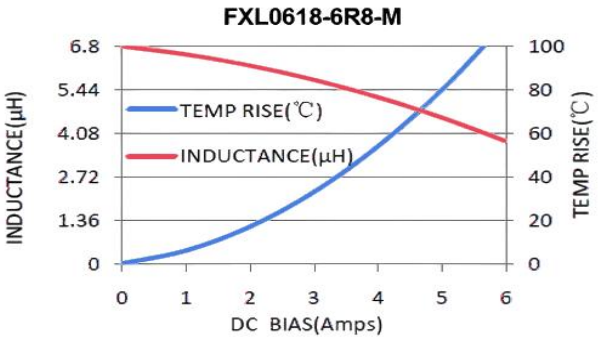


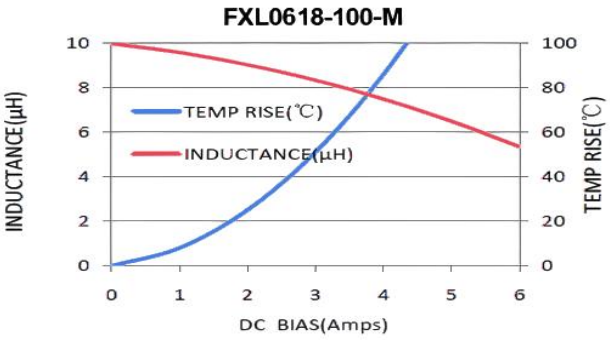
12.Typical Performance Curves

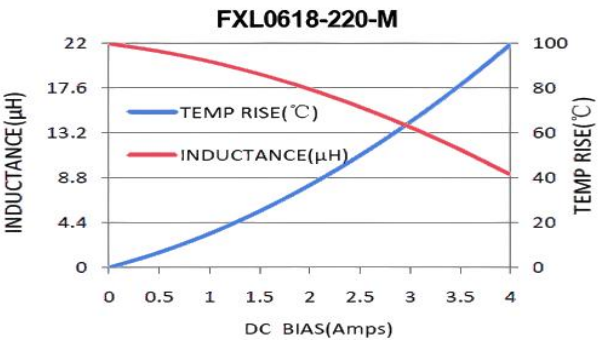
（2）Inductance and Temperature vs DC Current Characteristics

FXL0618 Series





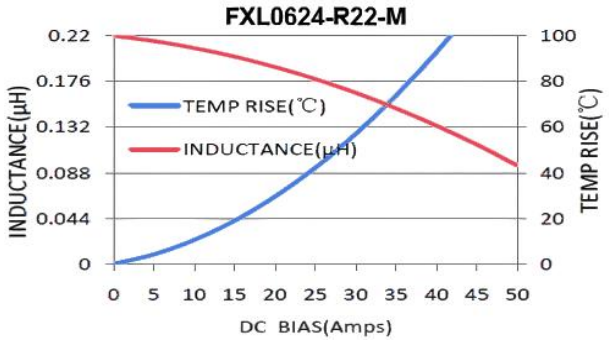


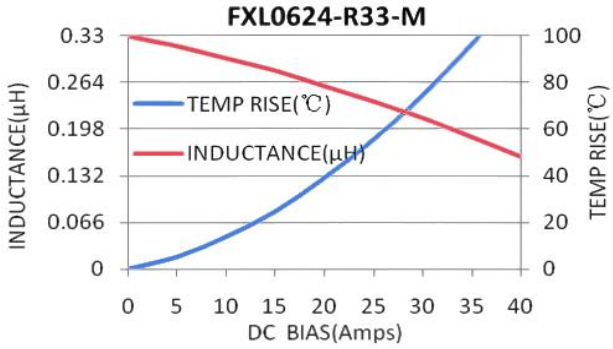


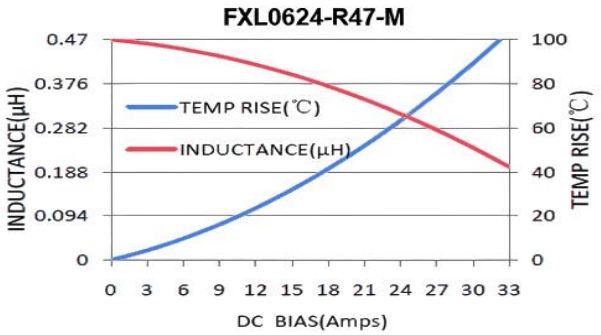
12.Typical Performance Curves

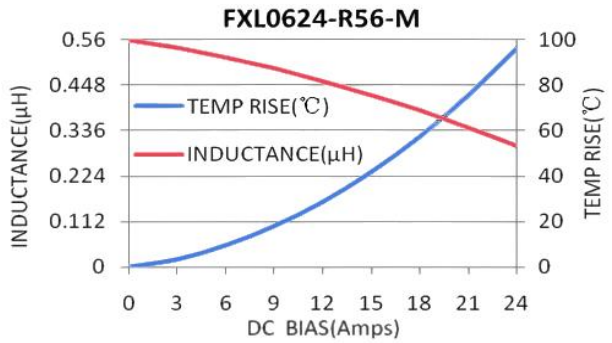
（2）Inductance and Temperature vs DC Current Characteristics

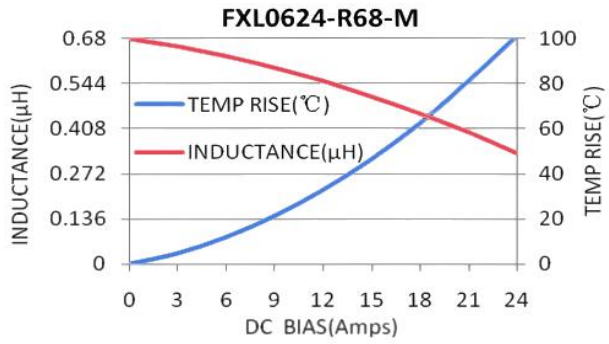
FXL0624 Series

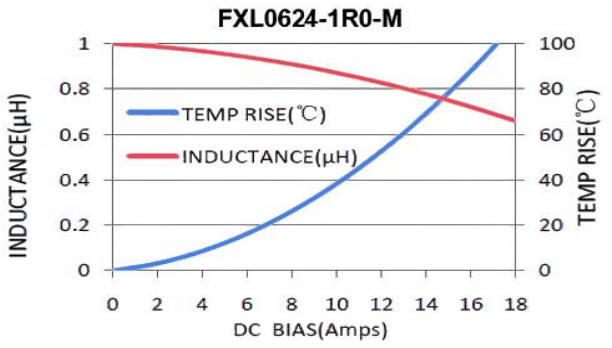


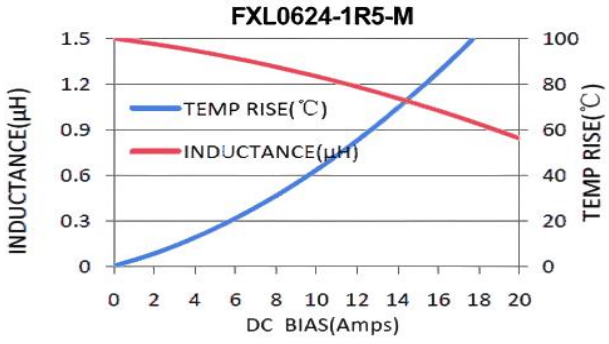


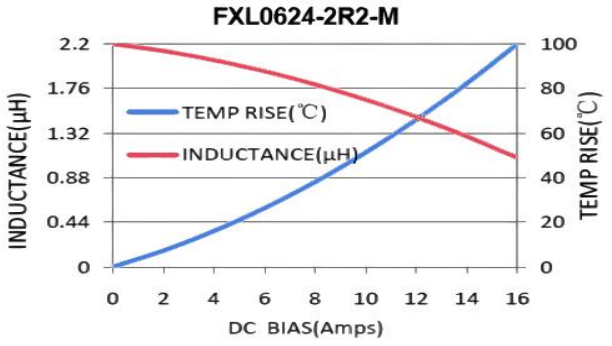








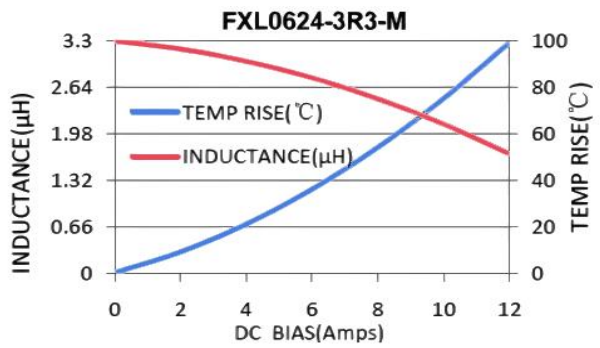


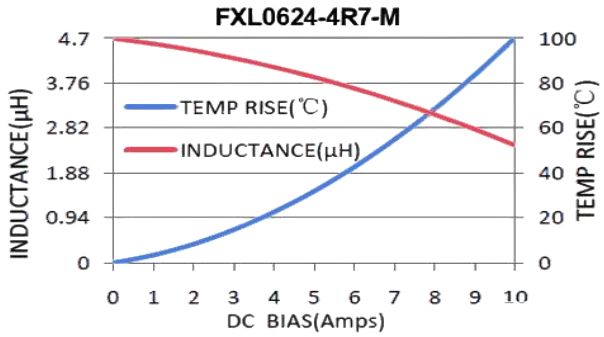


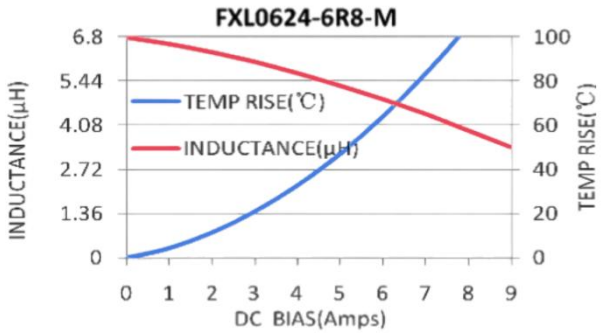
12.Typical Performance Curves

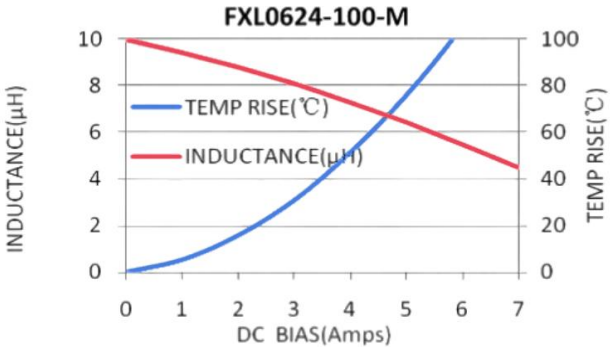
（2）Inductance and Temperature vs DC Current Characteristics

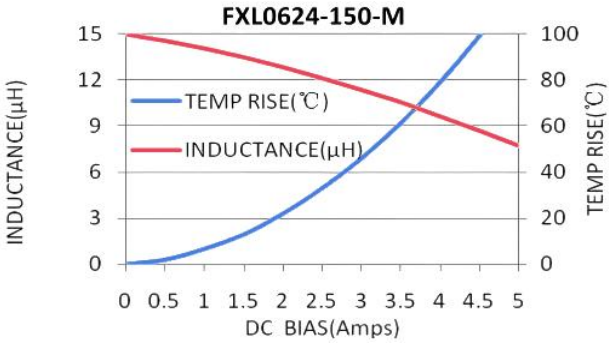
FXL0624 Series

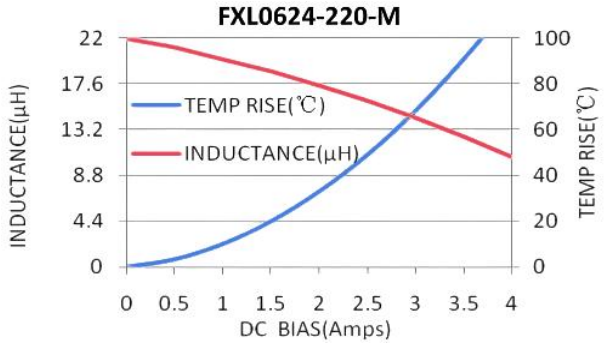








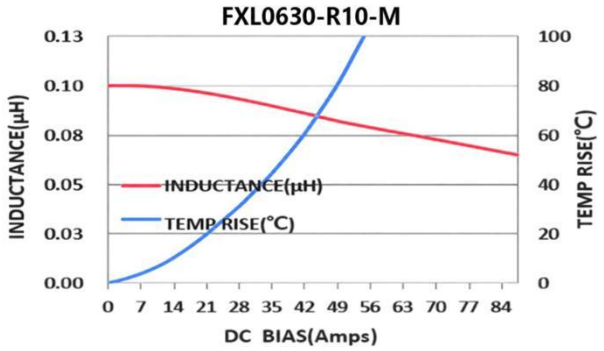


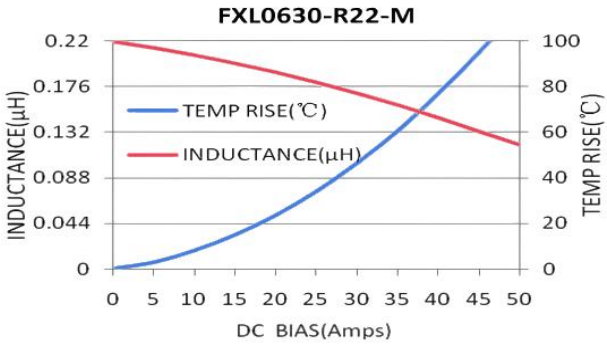


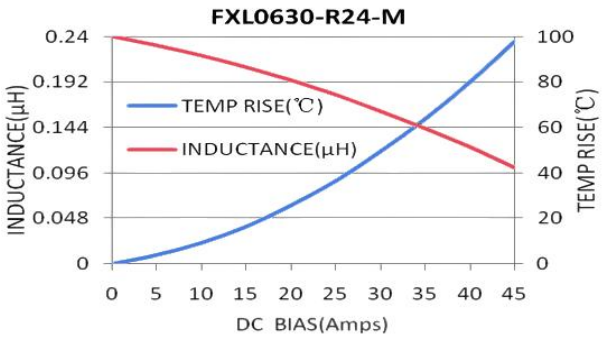
12.Typical Performance Curves

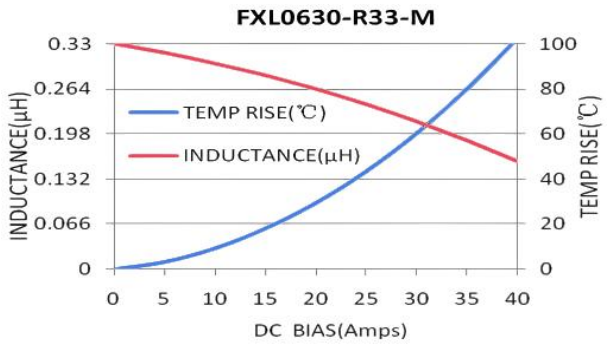
（2）Inductance and Temperature vs DC Current Characteristics

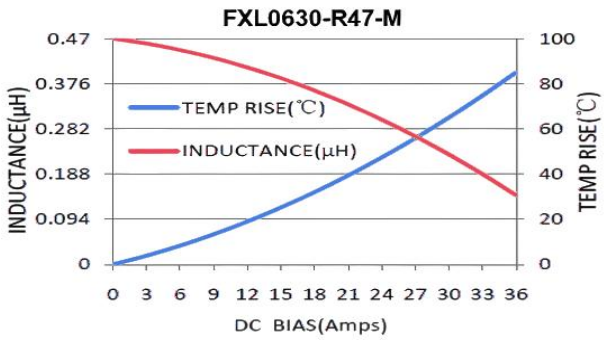
FXL0630 Series

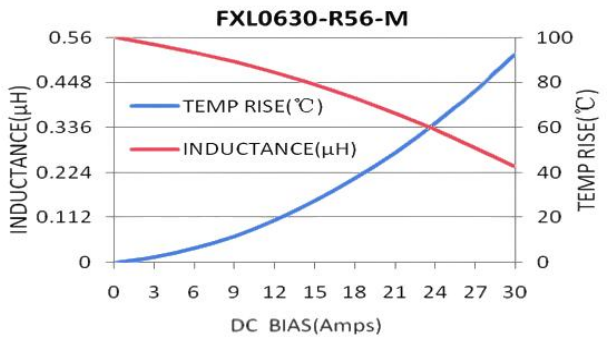


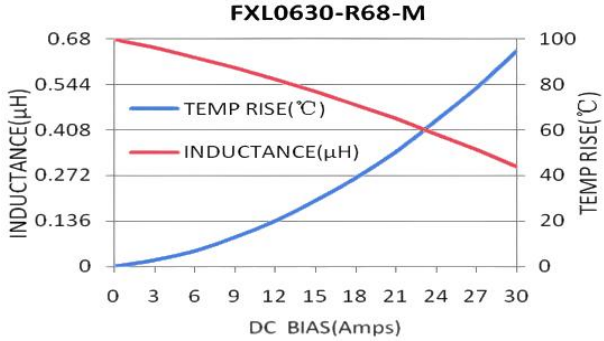


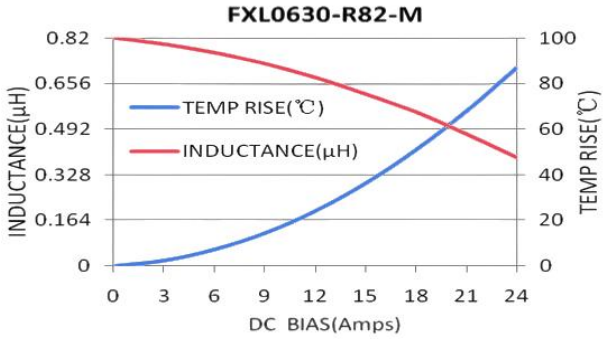








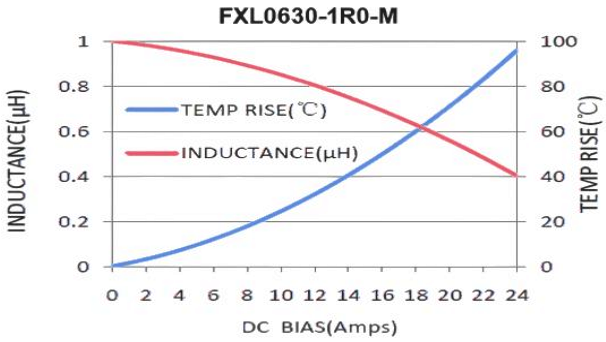


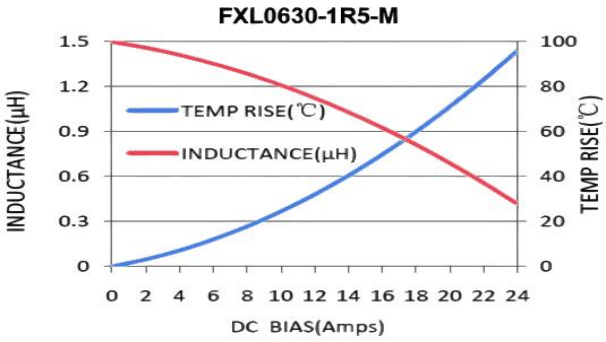


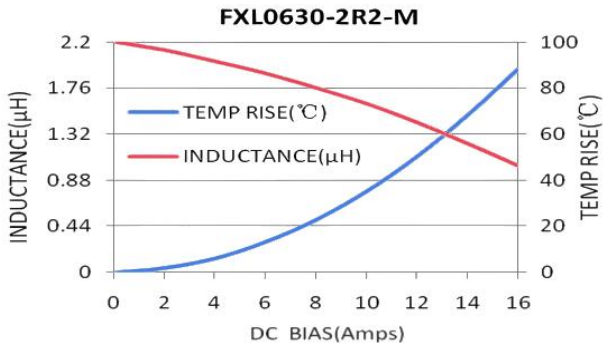
12.Typical Performance Curves

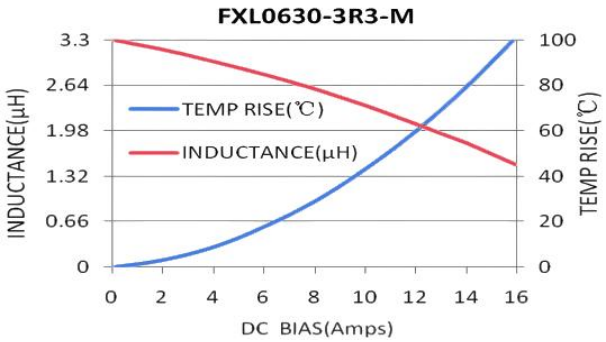
（2）Inductance and Temperature vs DC Current Characteristics

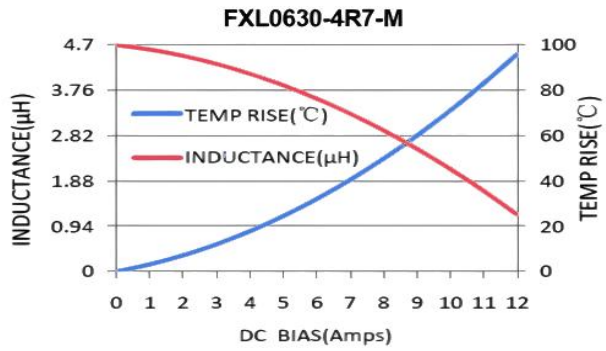
FXL0630 Series

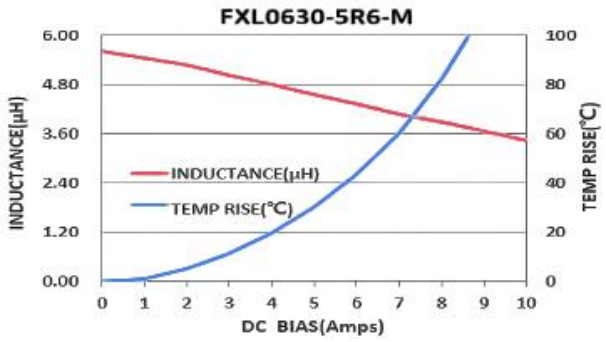


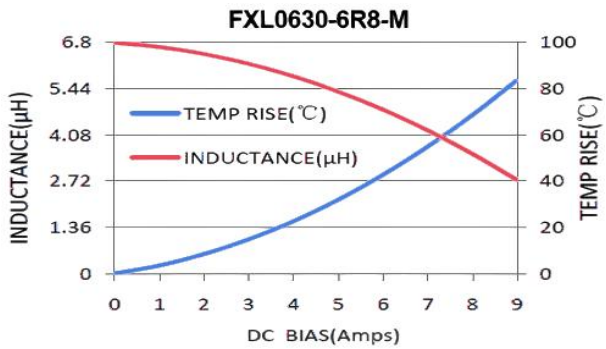


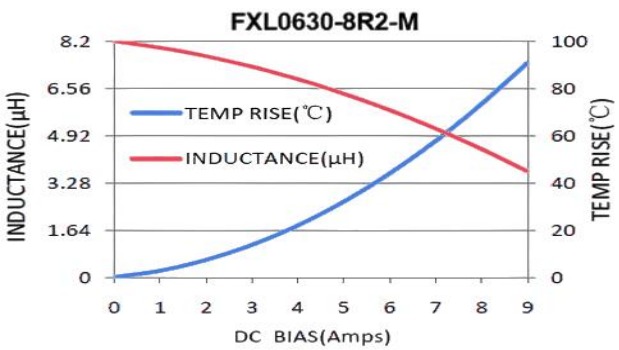








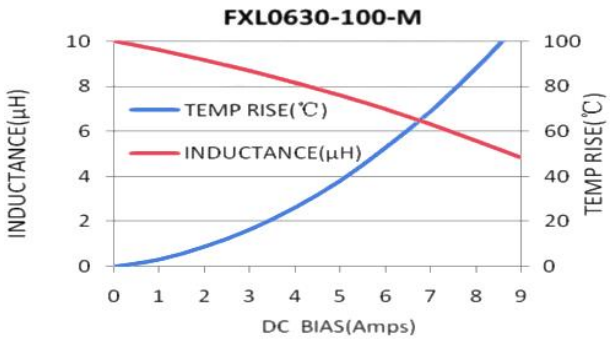


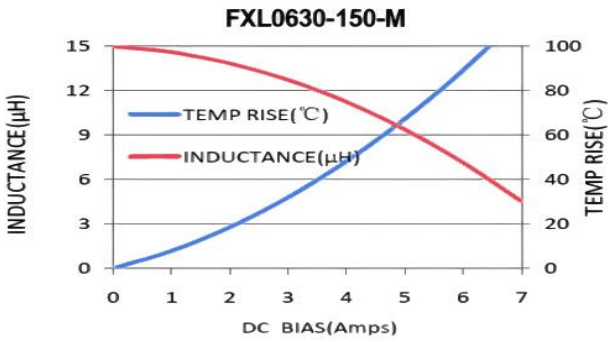


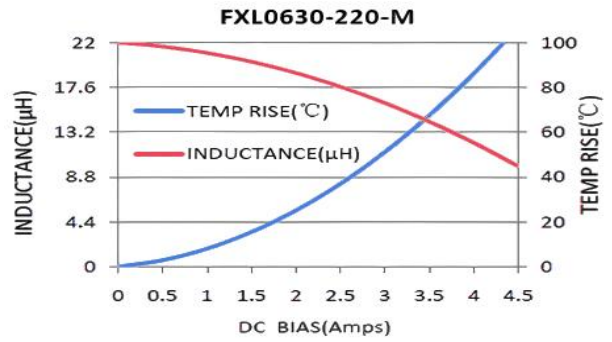
12.Typical Performance Curves

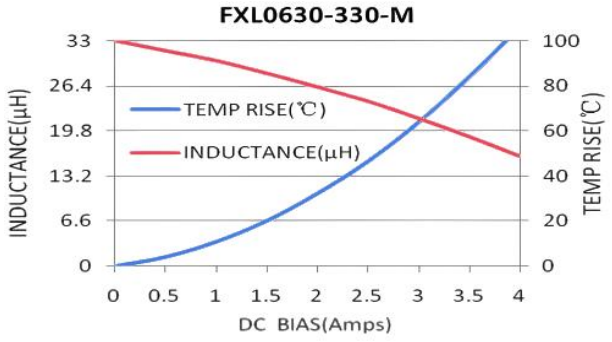
（2）Inductance and Temperature vs DC Current Characteristics

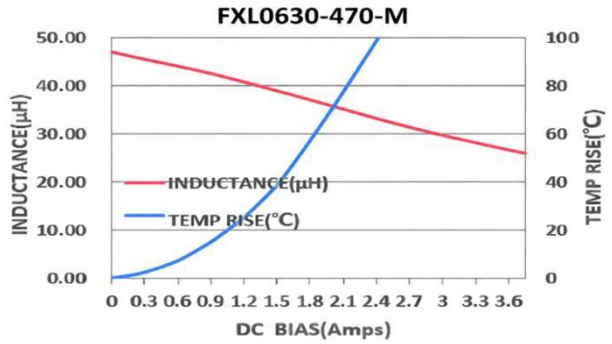
FXL0630 Series









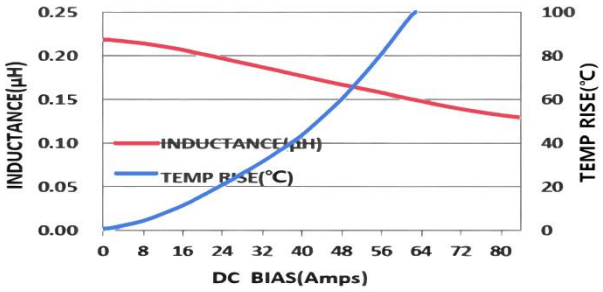


12.Typical Performance Curves

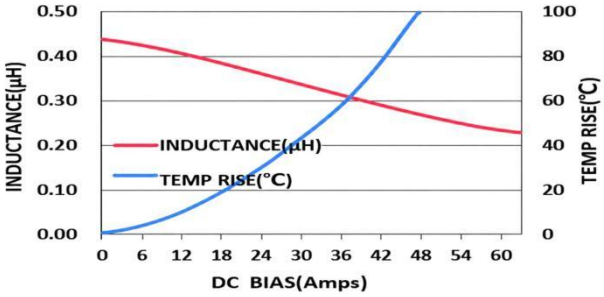
（2）Inductance and Temperature vs DC Current Characteristics

FXL0840 Series

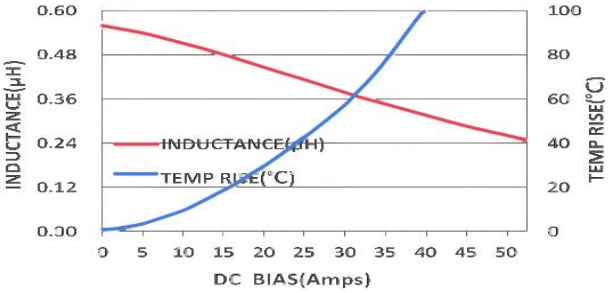
FXL0840-R22-M



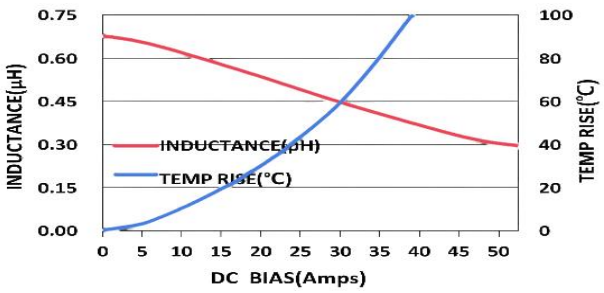
FXL0840-R47-M



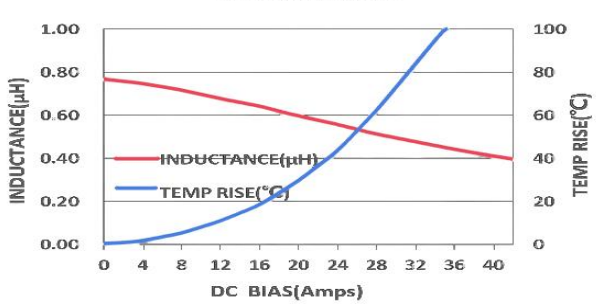
FXL0840-R56-M



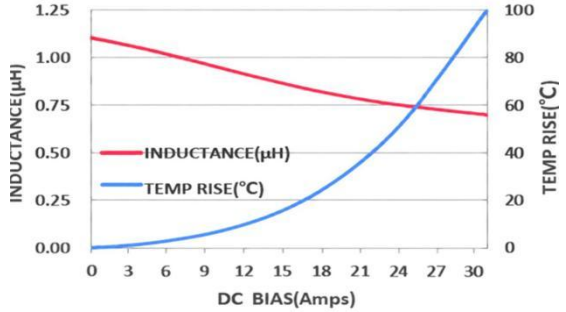
FXL0840-R68-M



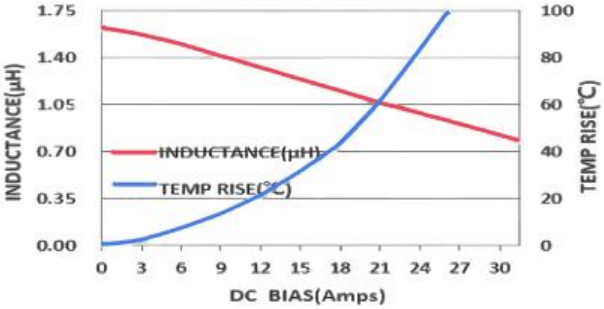
FXL0840-R82-M



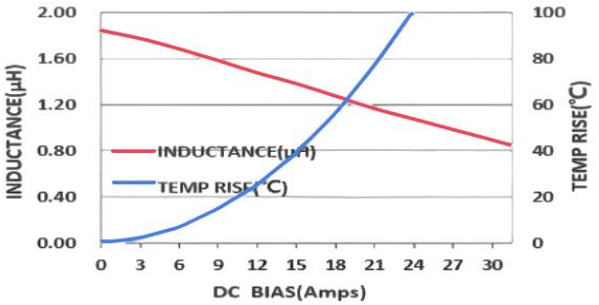
FXL0840-1R0-M



FXL0840-1R5-M



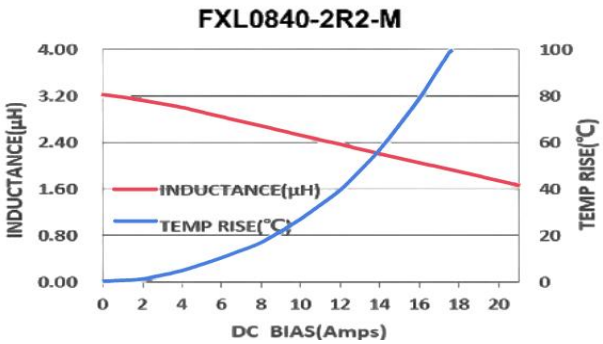
FXL0840-1R8-M

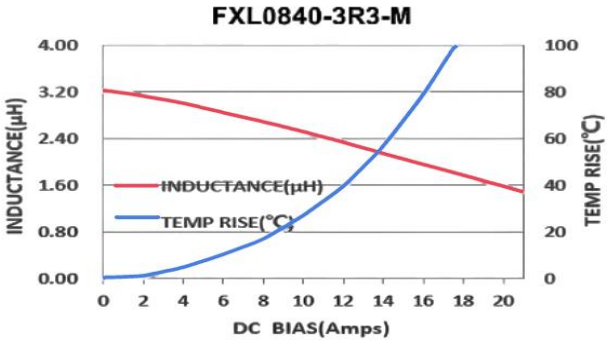


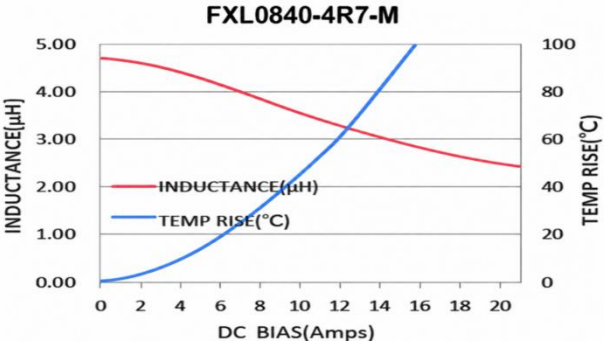
12.Typical Performance Curves

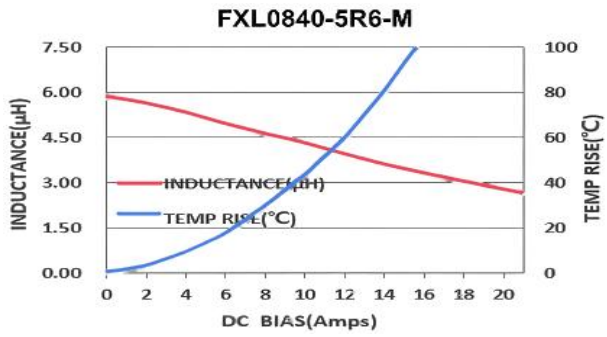
（2）Inductance and Temperature vs DC Current Characteristics

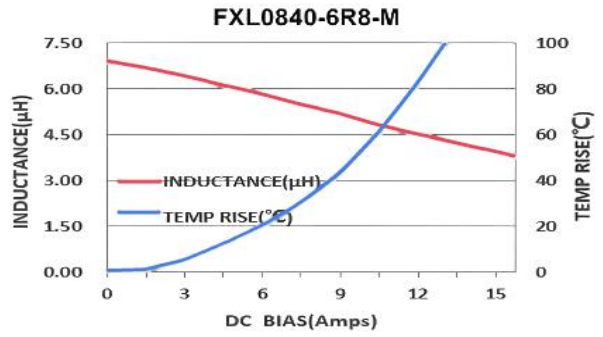
FXL0840 Series

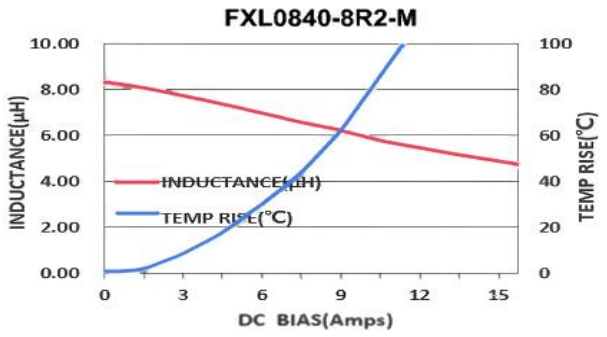


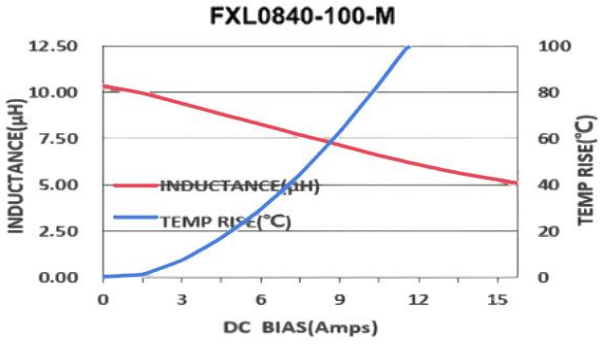


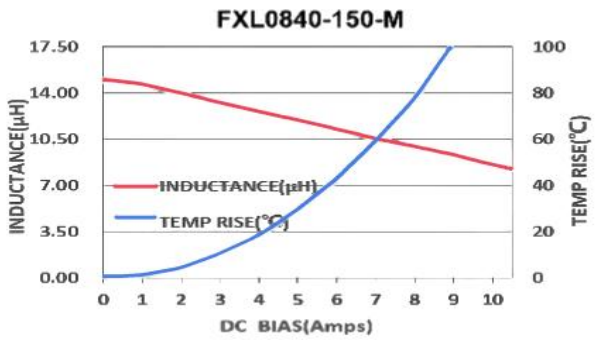








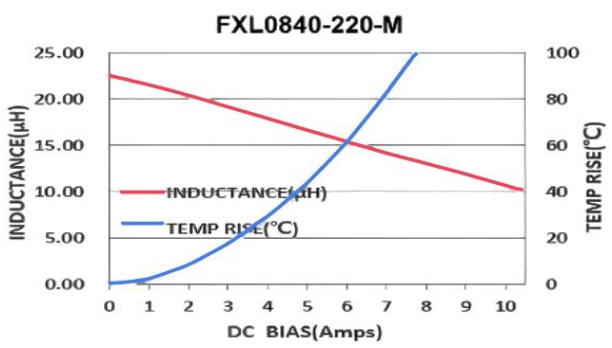


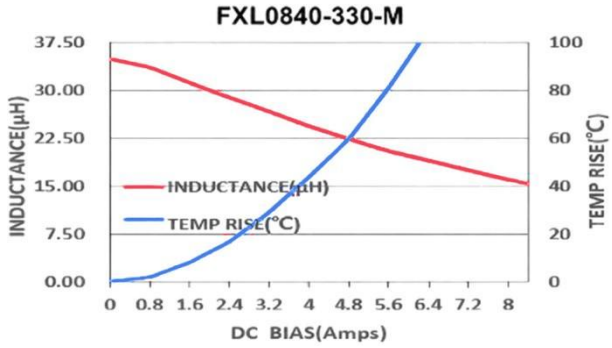


12.Typical Performance Curves

（2）Inductance and Temperature vs DC Current Characteristics

FXL0840 Series



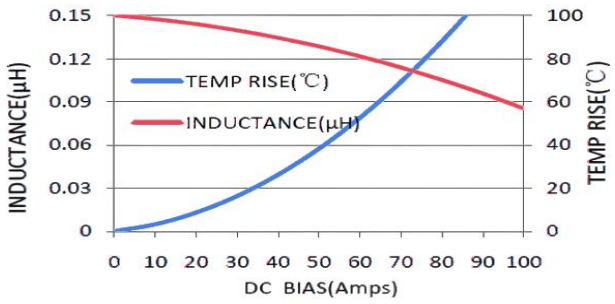


12.Typical Performance Curves

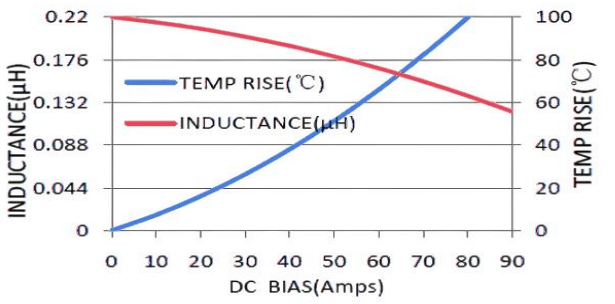
（2）Inductance and Temperature vs DC Current Characteristics

FXL1040 Series

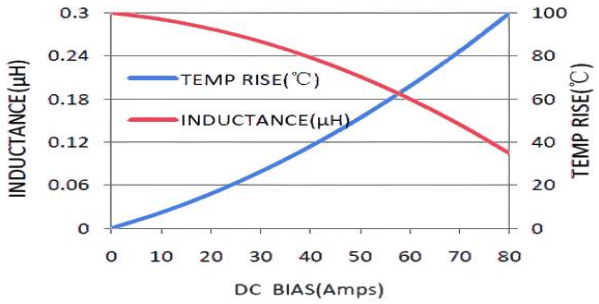
FXL1040-R15-M



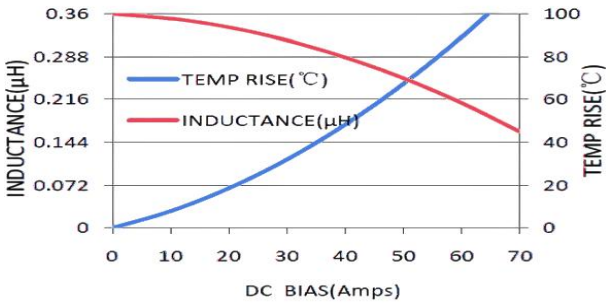
FXL1040-R22-M



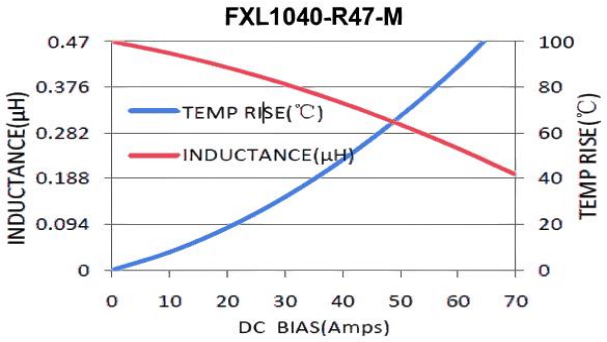
FXL1040-R30-M



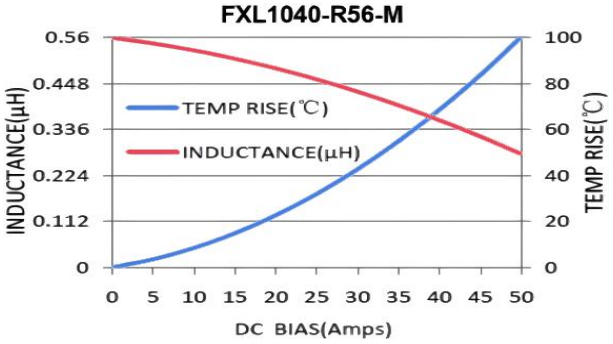
FXL1040-R36-M



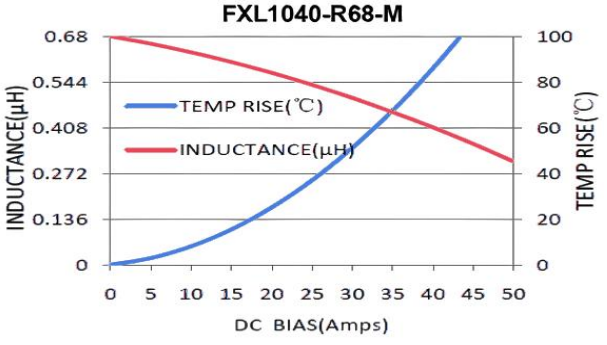
FXL1040-R47-M



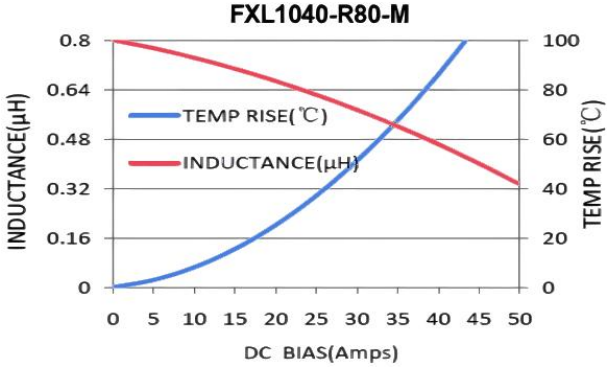
FXL1040-R56-M



FXL1040-R68-M



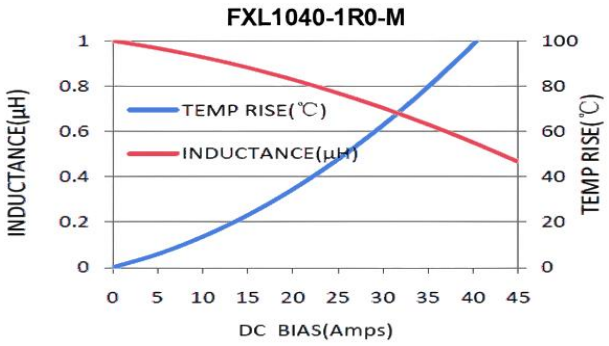
FXL1040-R80-M

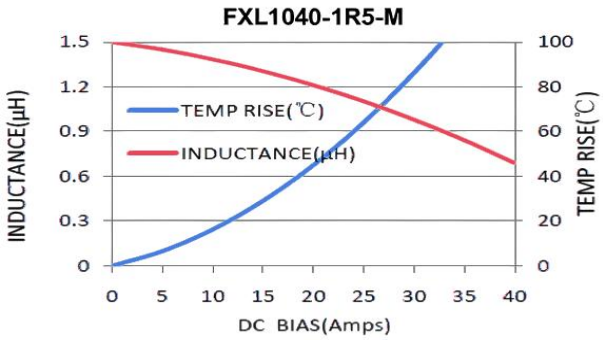


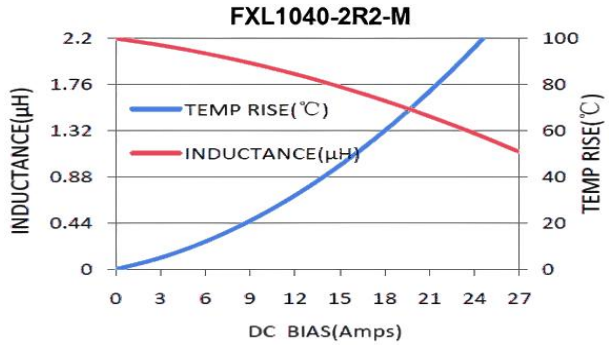
12.Typical Performance Curves

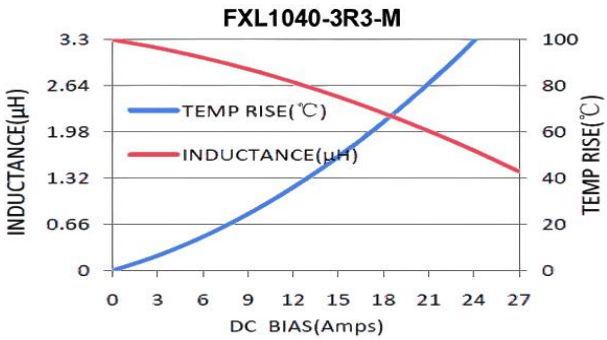
（2）Inductance and Temperature vs DC Current Characteristics

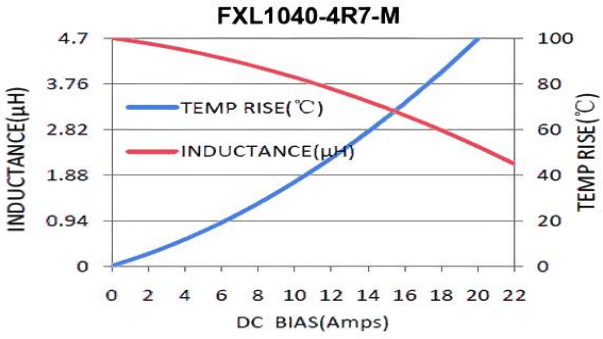
FXL1040 Series

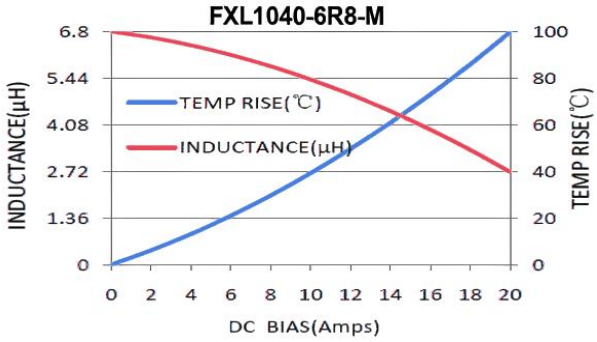


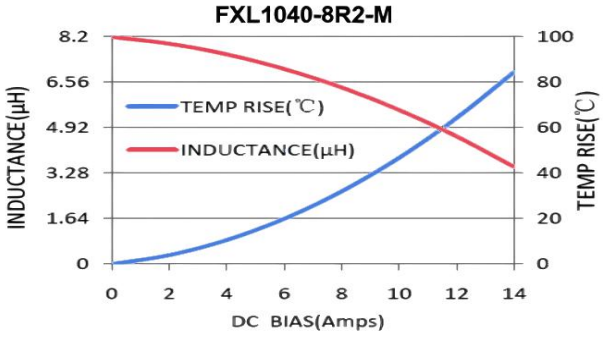


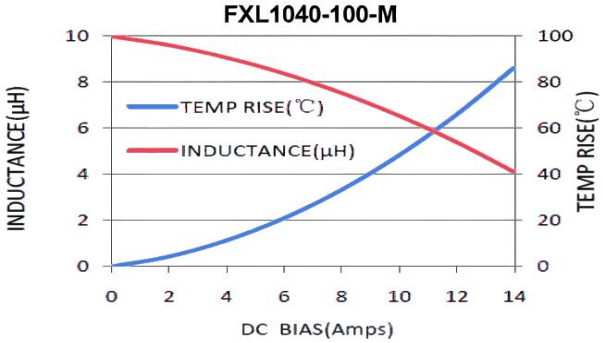








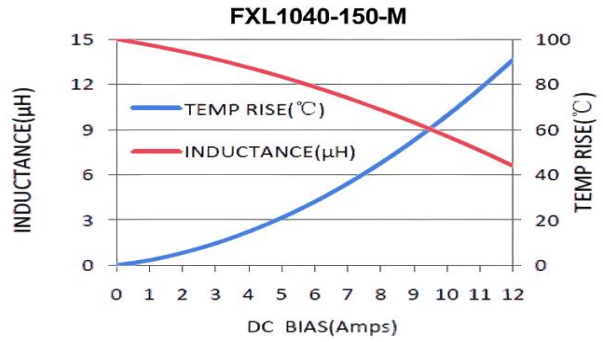


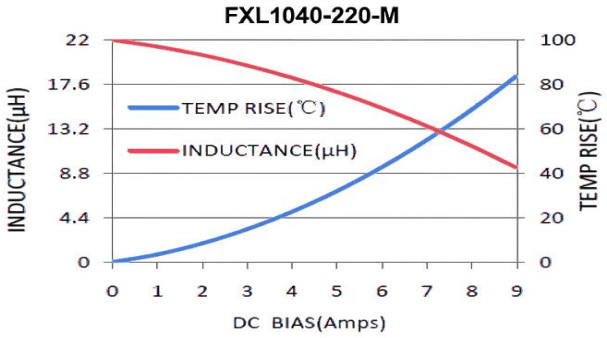


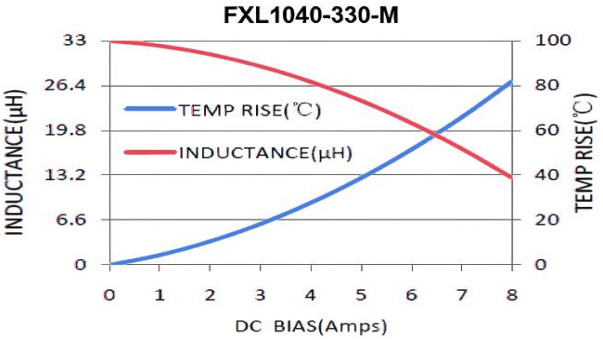
12.Typical Performance Curves

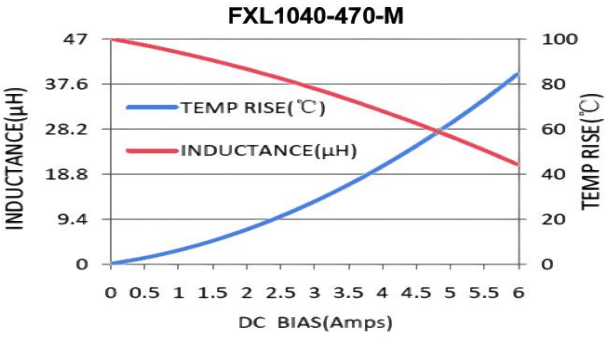
（2）Inductance and Temperature vs DC Current Characteristics

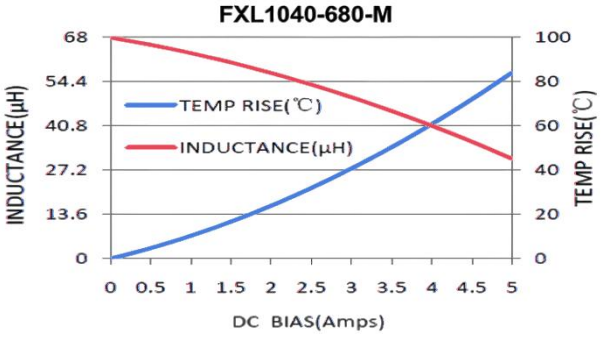
FXL1040 Series

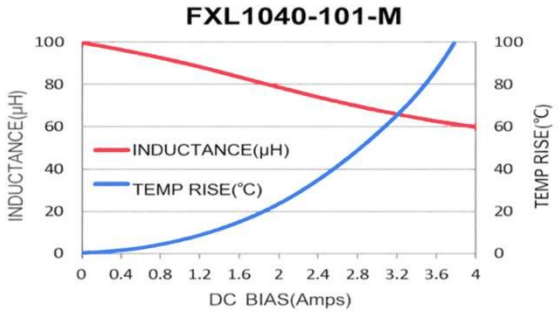








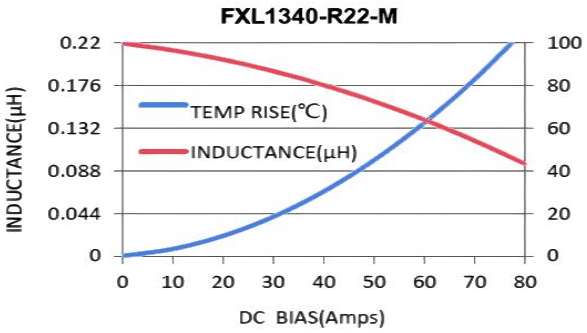


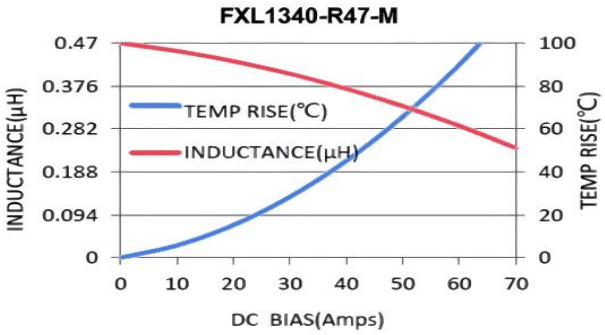


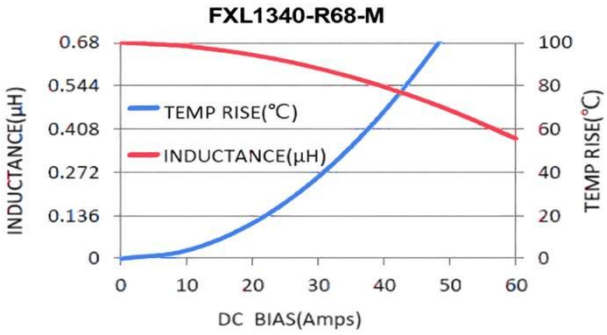
12.Typical Performance Curves

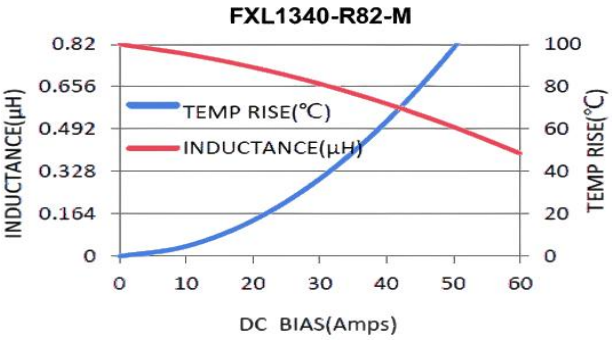
（2）Inductance and Temperature vs DC Current Characteristics

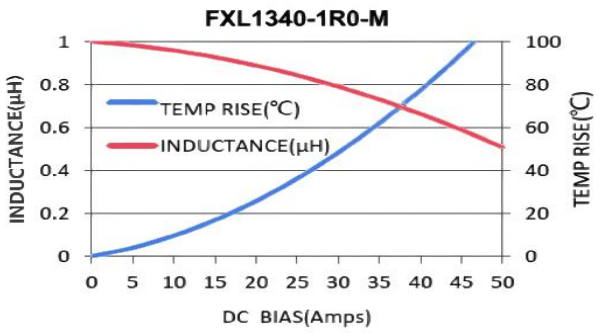
FXL1340 Series

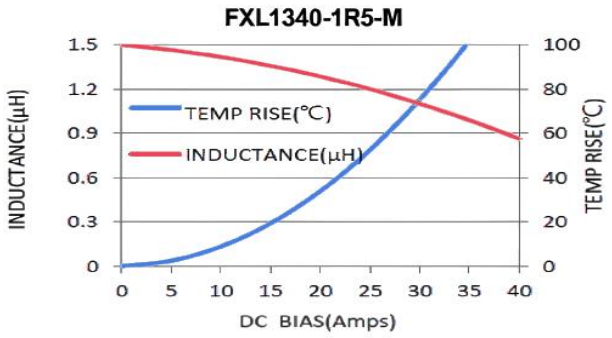


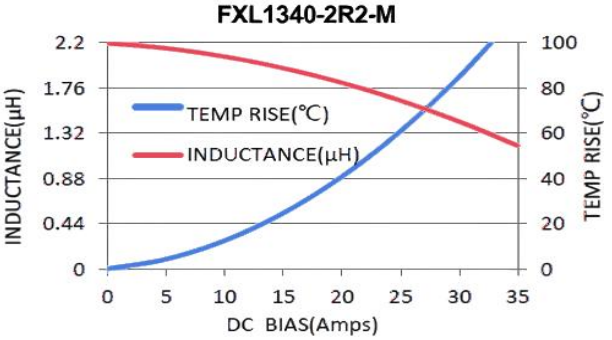


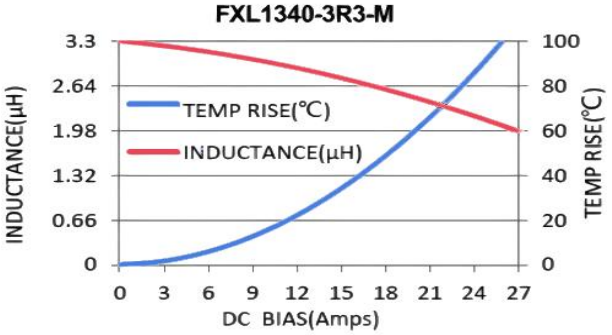








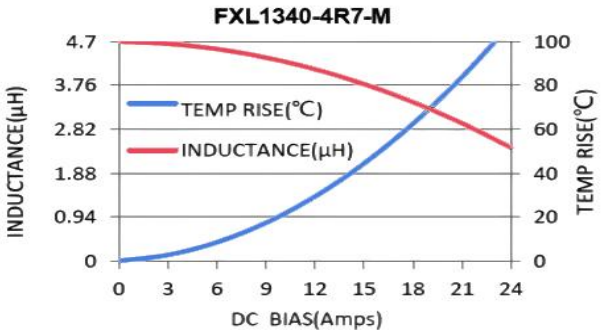


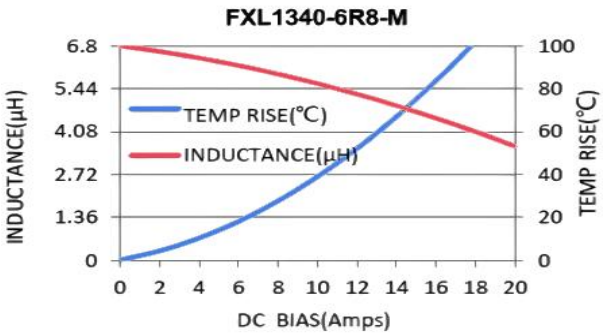


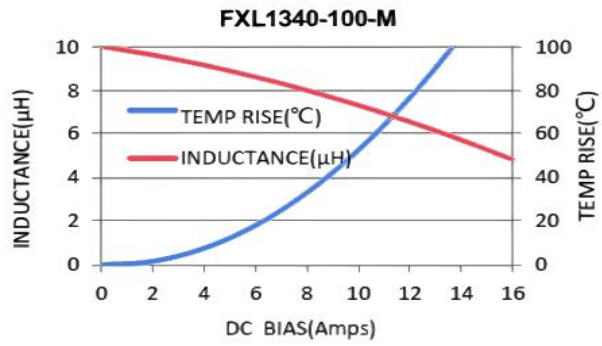
12.Typical Performance Curves

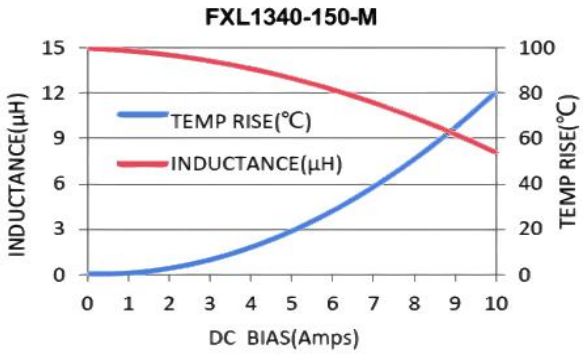
（2）Inductance and Temperature vs DC Current Characteristics

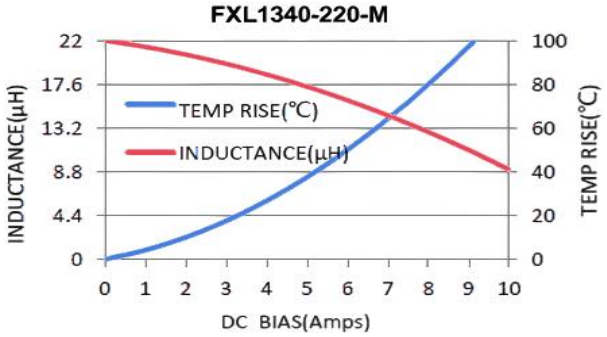
FXL1340 Series







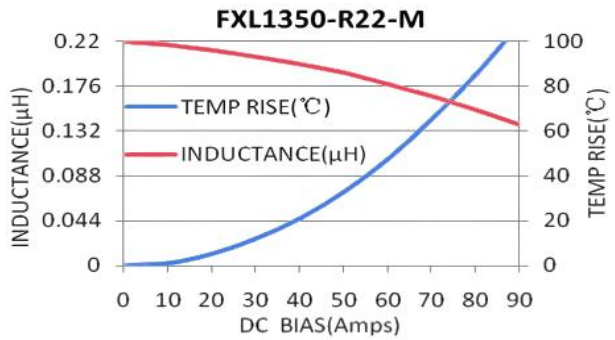


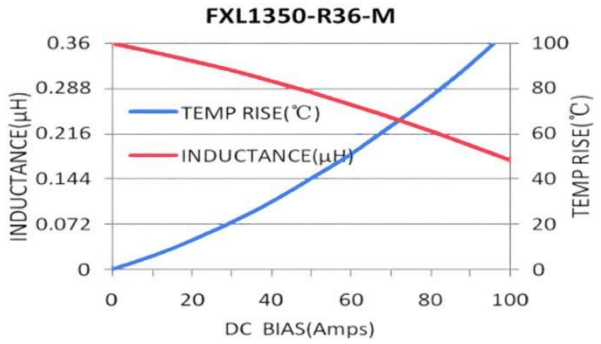


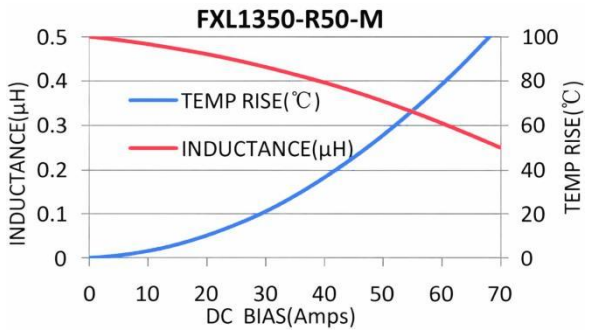
12.Typical Performance Curves

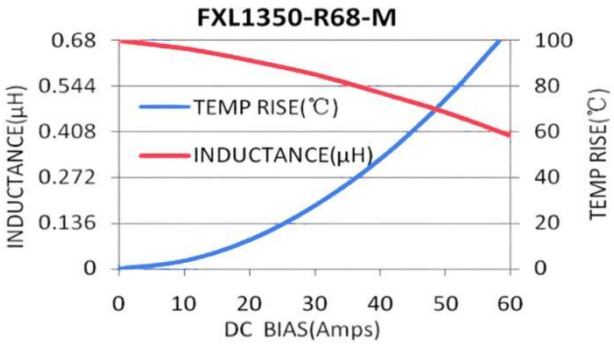
（2）Inductance and Temperature vs DC Current Characteristics

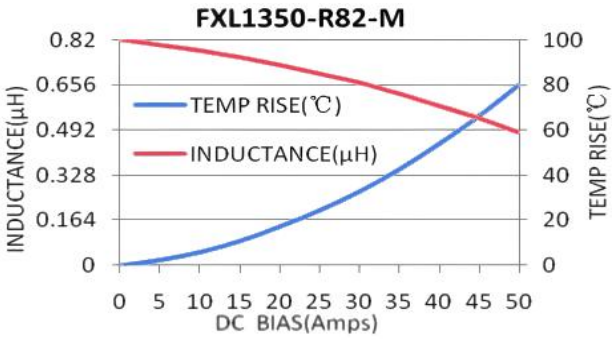
FXL1350 Series

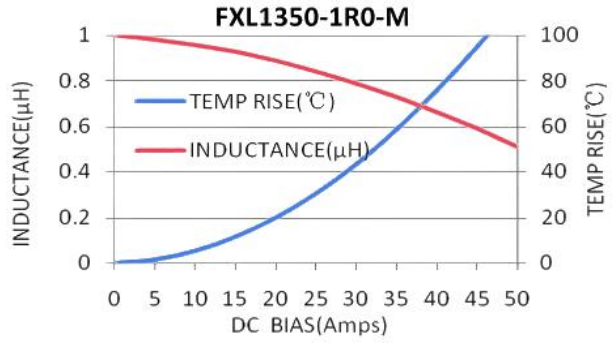


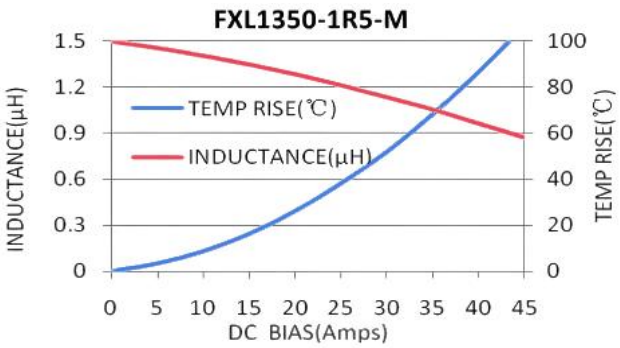


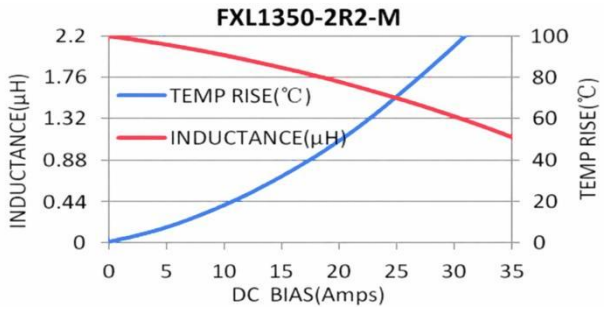








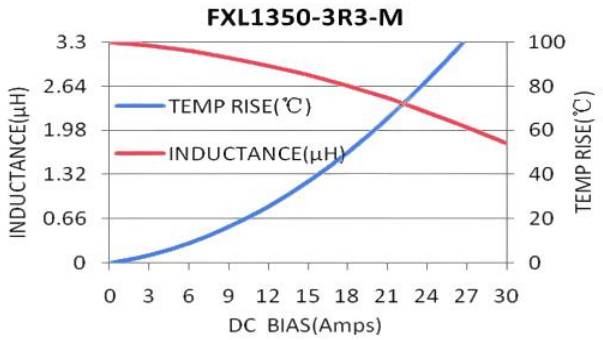


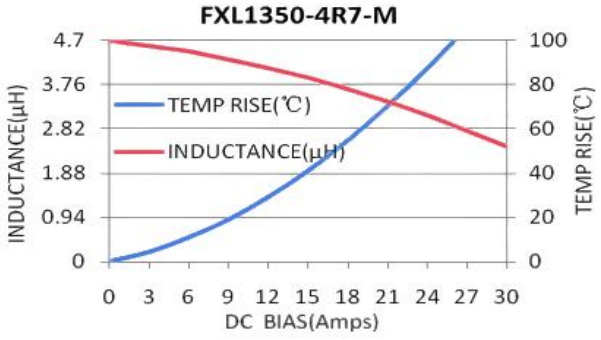


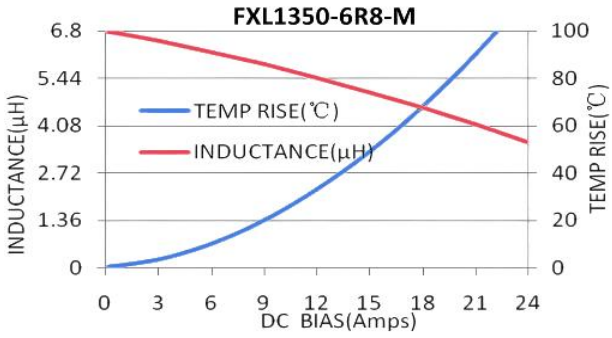
12.Typical Performance Curves

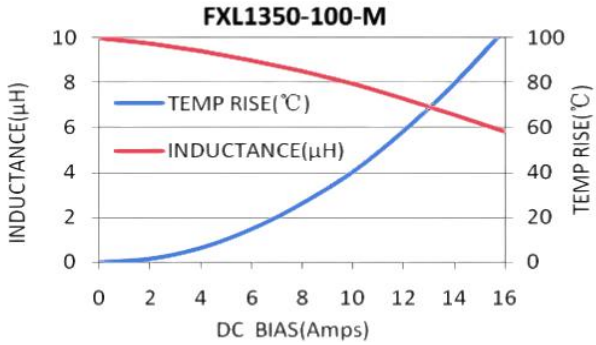
（2）Inductance and Temperature vs DC Current Characteristics

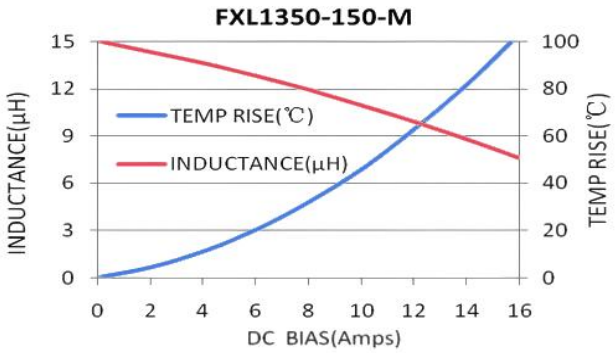
FXL1350 Series

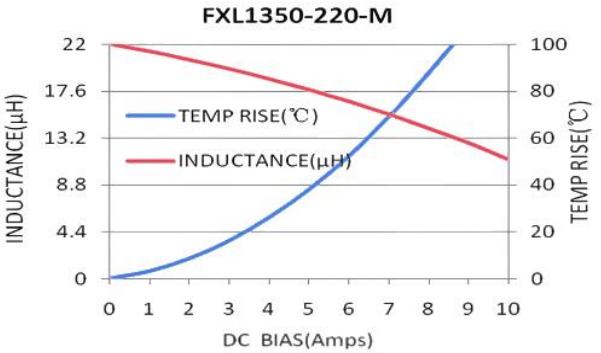


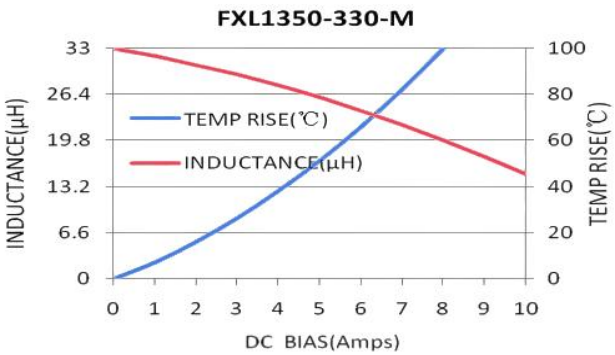


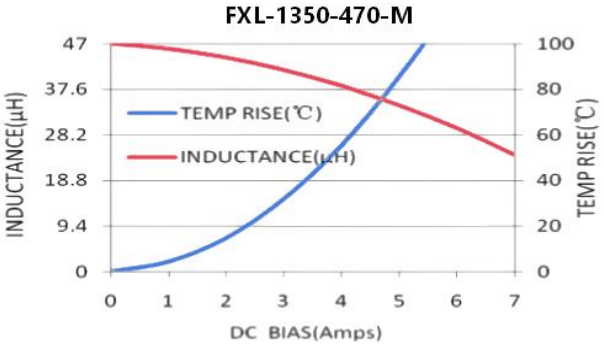








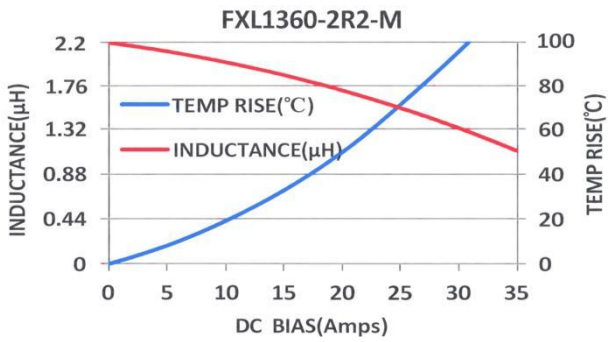


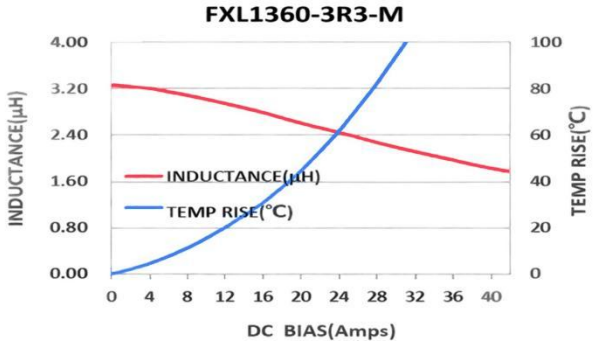


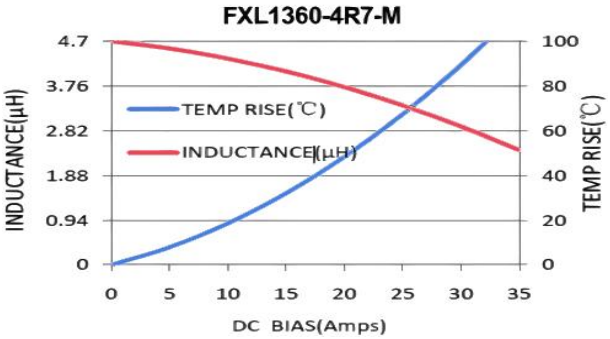
12.Typical Performance Curves

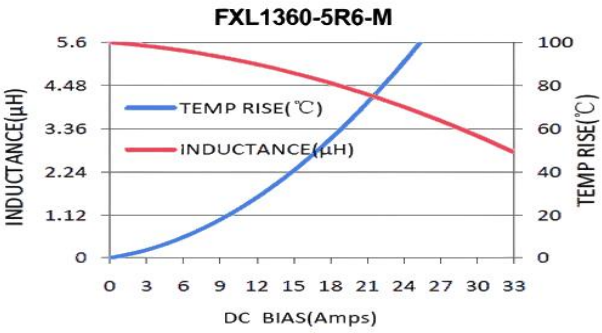
（2）Inductance and Temperature vs DC Current Characteristics

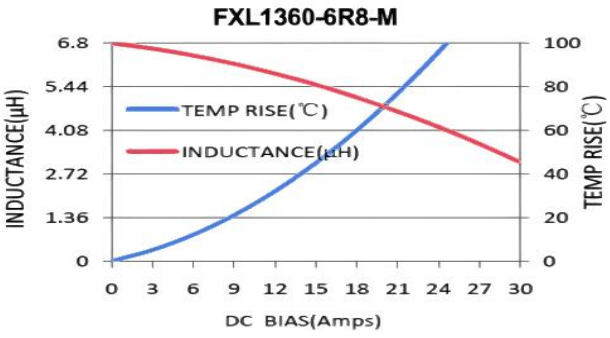
FXL1360 Series

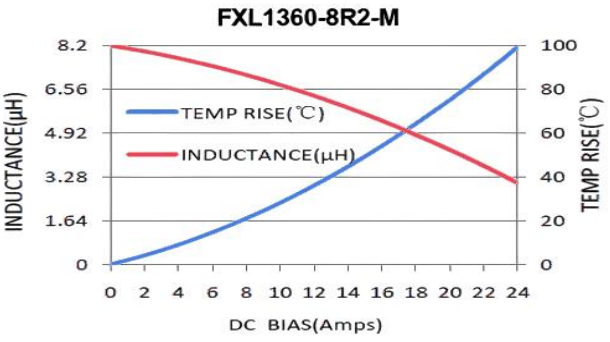


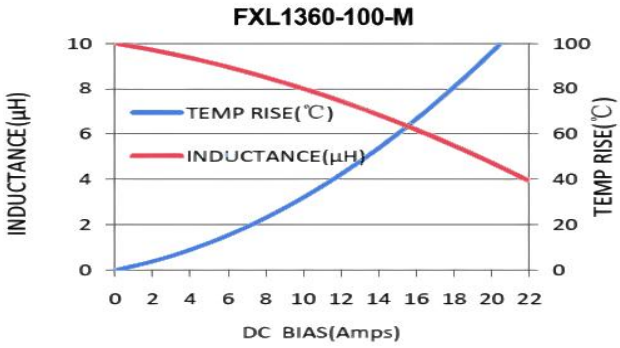


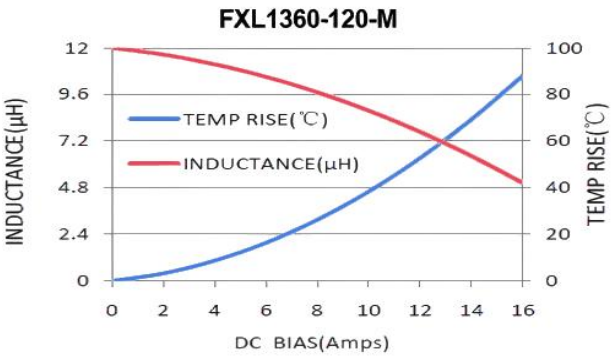








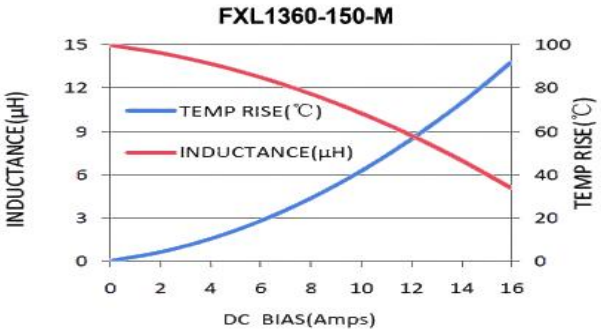


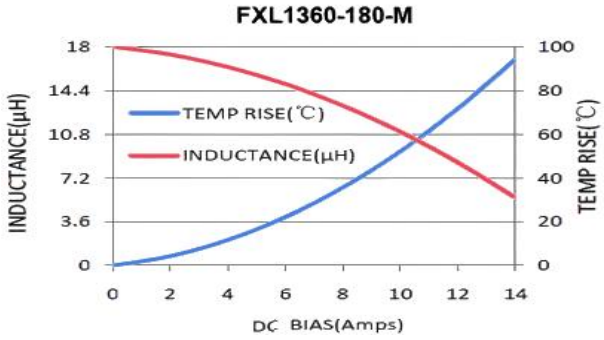


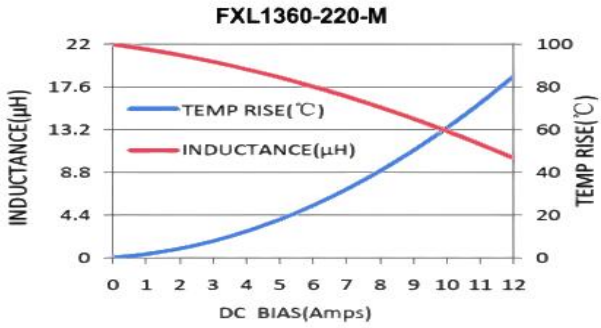
12.Typical Performance Curves

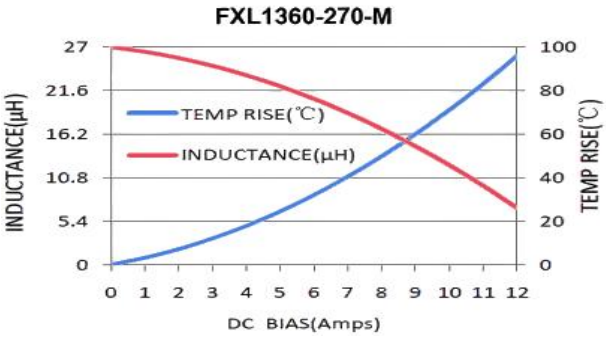
（2）Inductance and Temperature vs DC Current Characteristics

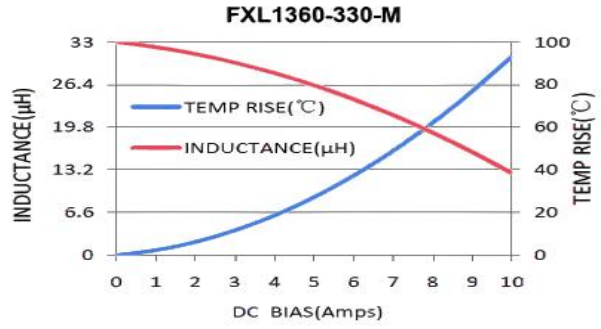
FXL1360 Series

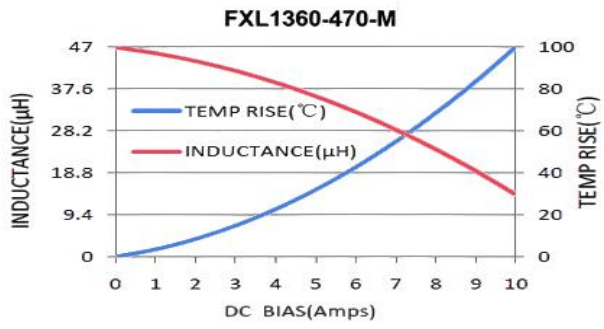


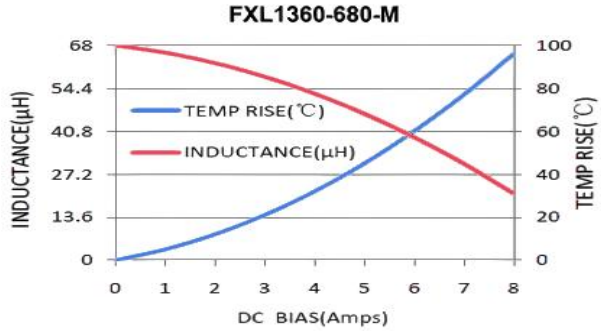


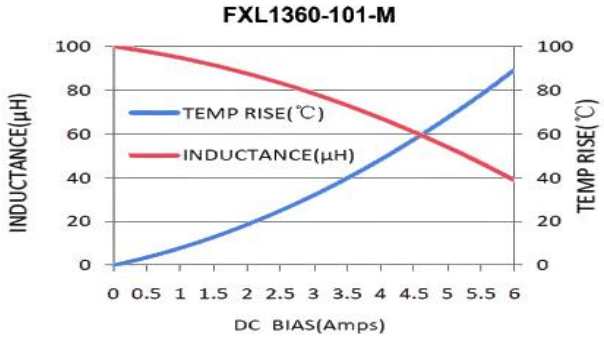








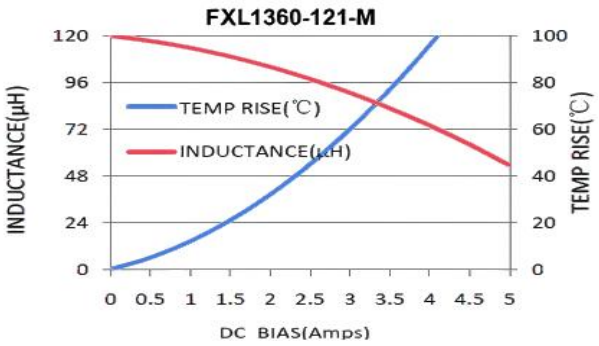


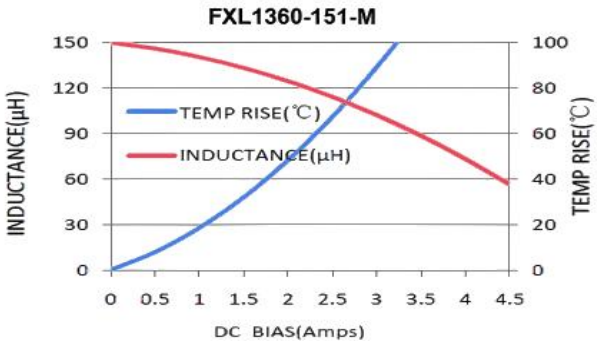


12.Typical Performance Curves

（2）Inductance and Temperature vs DC Current Characteristics

FXL1360 Series





Note

The above graphs illustrate the Isat and Irms curves for most models. For curves of unlisted Part Number, please contact our engineering team at:E-mail:RD@CJIANG.COM.CN or visit our official website to contact customer service represebtativers.

9.Reliability Testing

（1）Mechanical Reliability

Item	Specification and Requirement	Test Method
Solderability	1. No case deformation or change in apperarance 2. New solder coverage More than 95%	1. Preheat：155℃±5℃ ， 60S±2S 2. Tin: lead-free. 3. Temperature:240℃±5℃， flux 3.0S±0.5S.
Mechanical shock	1. No case deformation or change in apperarance 2. △L/Lo≦±10%	1. Acceleration： 100G 2. Pulse time:：6ms 3. 3times in each positive and negative direction of 3 mutual perpendicular directions
Mechanical vibration	1. No case deformation or change in apperarance 2. △L/Lo≦±10%	1. Reflow: 2times 2. Frequency: 10HZ～55HZ～10HZ，20 Min/Cycles 3. Amplitude: 1.52 mm 4. Directions: X,Y,Z 5. Time: 12 cycle / direction

（2）Endurance Reliability

Item	Specification and Requirement	Test Method
Thermal Shock	Inductance change: Within ± 10% Without distinct damage in appearance	1. First -55℃ for 30 minutes，last 125℃ for 30 minutes as 1 cycle. Go through 1000 cycles. 2. Max transfer time is 3 minutes. 3. Measured at room temperature after placing for 24±2 hours
Humidity Resistance	Inductance change: Within ± 10% Without distinct damage in appearance	1. Reflow 2 times, 2. 85℃,85%RH,1000 hours 3.Measured at room temperature after placing for 24±2 hours
Low temperature storage	Inductance change: Within ± 10% Without distinct damage in appearance	1. Temperature：-55 ± 2℃ 2. Time：1000 hours 3. Measured at room temperature after placing for 24±2 hours
High temperature storage	Inductance change: Within ± 10% Without distinct damage in appearance	1. Temperature：+125 ± 2℃ 2. Time：1000 hours 3. Measured at room temperature after placing for 24±2 hours

10.Recommended Soldering Technologies

(1) Re-flowing Profile

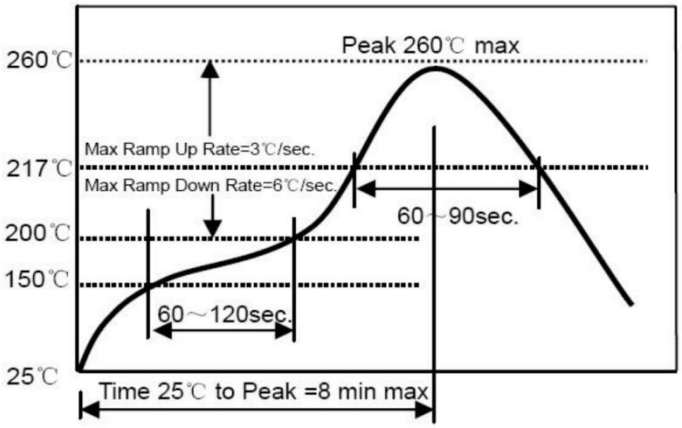
Preheat condition: 150 ~200℃/60~ 120sec.

Allowed time above 217℃: 60~90sec. Max temp: 260℃.

Max time at max temp: 10 sec.

Solder paste: Sn/3.0Ag/0.5Cu.

Allowed Reflow time: 2x max.



(2) Iron Soldering Profile

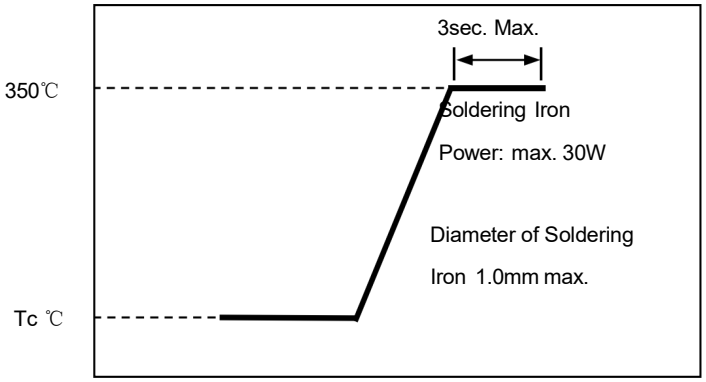
Iron soldering power: Max. 30W.

Pre-heating: 150℃/60sec.

Soldering Tip temperature: 350℃ Max.

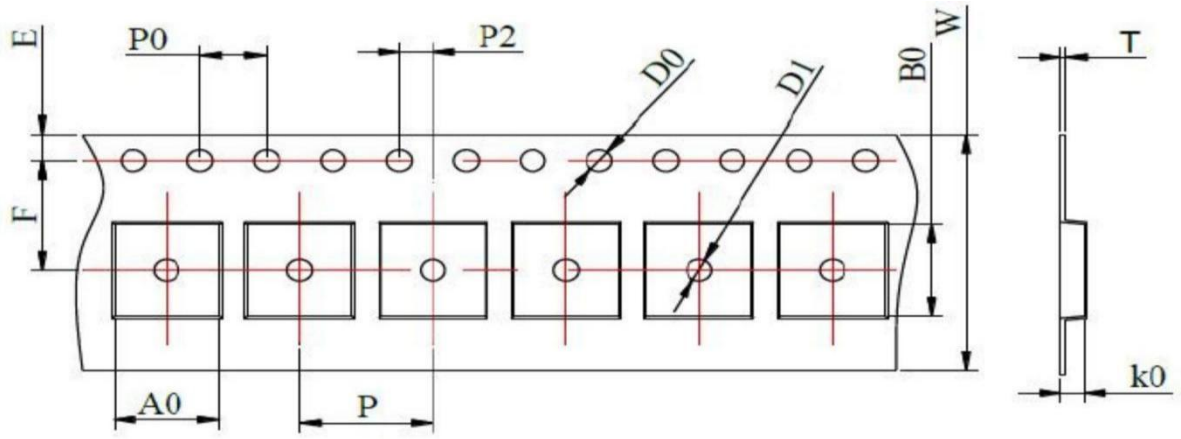
Soldering time: 3sec. Max.

Solder paste: Sn/3.0Ag/0.5Cu Max.1 times for iron soldering.



11.Packaging Information

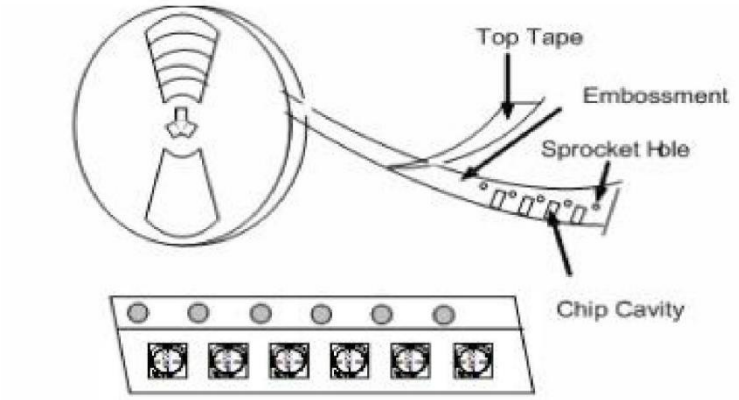
Tape Packaging Dimensions（Unit：mm）

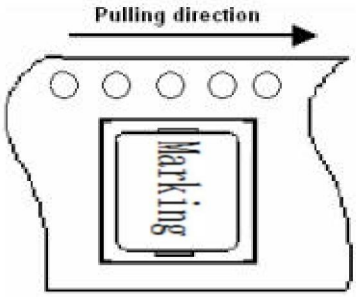


Type	Tape dimensions (mm)											
	W	P	P0	P2	D0	D1	T	A0	B0	K0	E	F
FXL0412	12 ±0.3	8 ±0.1	4 ±0.1	2 ±0.1	1.5 ±0.1	1.5 ±0.1	0.35 ±0.05	4.5 ±0.1	4.85 ±0.1	1.5 ±0.1	1.75 ±0.1	5.5 ±0.1
FXL0420	12 ±0.3	8 ±0.1	4 ±0.1	2 ±0.1	1.5 ±0.1	1.5 ±0.1	0.35 ±0.05	4.5 ±0.1	4.85 ±01	2.3 ±0.1	1.75 ±0.1	5.5 ±0.1
FXL0518	12 ±0.3	8 ±0.1	4 ±0.1	2 ±0.1	1.5 ±0.1	1.5 ±0.1	0.35 ±0.05	5.5 ±0.1	5.9 ±0.1	2.0 ±0.01	1.75 ±0.1	5.5 ±0.1
FXL0530	12 ±0.3	8 ±0.1	4 ±0.1	2 ±0.1	1.5 ±0.1	1.5 ±0.1	0.35 ±0.05	5.5 ±0.1	5.9 ±0.1	3.3 ±0.1	1.75 ±0.1	5.5 ±0.1
FXL0615	16 ±0.3	12 ±0.1	4 ±0.1	2 ±0.1	1.5 ±0.1	1.5 ±0.1	0.35 ±0.05	6.9 ±0.1	7.5 ±0.1	1.7 ±0.1	1.75 ±0.1	7.5 ±0.1
FXL0618	16 ±0.3	12 ±0.1	4 ±0.1	2 ±0.1	1.5 ±0.1	1.5 ±0.1	0.35 ±0.05	6.9 ±0.1	7.5 ±0.1	2.1 ±0.1	1.75 ±0.1	7.5 ±0.1
FXL0624	16 ±0.3	12 ±0.1	4 ±0.1	2 ±0.1	1.5 ±0.1	1.5 ±0.1	0.35 ±0.05	6.9 ±0.1	7.5 ±0.1	2.7 ±0.1	1.75 ±0.1	7.5 ±0.1
FXL0630	16 ±0.3	12 ±0.1	4 ±0.1	2 ±0.1	1.5 ±0.1	1.5 ±0.1	0.35 ±0.05	7.0 ±0.1	7.7 ±0.1	3.3 ±0.1	1.75 ±0.1	7.5 ±0.1
FXL0640	16 ±0.3	12 ±0.1	4 ±0.1	2 ±0.1	1.5 ±0.1	1.5 ±0.1	0.4 ±0.05	6.9 ±0.1	7.5 ±0.1	4.3 ±0.1	1.75 ±0.1	7.5 ±0.1
FXL0650	16 ±0.3	12 ±0.1	4 ±0.1	2 ±0.1	1.5 ±0.1	1.5 ±0.1	0.4 ±0.05	6.9 ±0.1	7.5 ±0.1	5.4 ±0.1	1.75 ±0.1	7.5 ±0.1
FXL0840	24 ±0.3	16 ±0.1	4 ±0.1	2 ±0.1	1.55± 0.1	1.55± 0.1	0.35 ±0.05	8.9 ±0.1	10.1 ±0.1	4.4 ±0.1	1.75 ±0.1	11.5 ±0.1
FXL0850	24 ±0.3	16 ±0.1	4 ±0.1	2 ±0.05	1.5 ±0.1	1.5 ±0.1	0.35 ±0.05	10.4 ±0.1	11.6 ±0.1	3.3 ±0.1	1.75 ±0.1	11.5 ±0.1
FXL1030	24 ±0.3	16 ±0.1	4 ±0.1	2 ±0.05	1.5 ±0.1	1.5 ±0.1	0.35 ±0.05	10.4 ±0.1	11.6 ±0.1	4.3 ±0.1	1.75 ±0.1	11.5 ±0.1
FXL1040	24 ±0.3	16 ±0.1	4 ±0.1	2 ±0.05	1.5 ±0.1	1.5 ±0.1	0.4 ±0.05	10.4 ±0.1	11.6 ±0.1	5.4 ±0.1	1.75 ±0.1	11.5 ±0.1
FXL1050	24 ±0.3	16 ±0.1	4.0 ±0.1	2.0 ±0.1	1.5 ±0.1	1.5 ±0.1	0.5 ±0.05	13.1 ±0.1	14 ±0.1	4.3 ±0.1	1.75 ±0.1	11.5 ±0.1
FXL1340	24 ±0.3	16 ±0.1	4.0 ±0.1	2.0 ±0.1	1.5 ±0.1	1.5 ±0.1	0.5 ±0.05	13.1 ±0.1	14 ±0.1	4.3 ±0.1	1.75 ±0.1	11.5 ±0.1
FXL1350	24 ±0.3	16 ±0.1	4.0 ±0.1	2.0 ±0.1	1.5 ±0.1	1.5 ±0.1	0.5 ±0.05	13.1 ±0.1	14 ±0.1	5.4 ±0.1	1.75 ±0.1	11.5 ±0.1
FXL1360	24 ±0.3	16 ±0.1	4.0 ±0.1	2.0 ±0.1	1.5 ±0.1	1.5 ±0.1	0.5 ±0.05	13.1 ±0.1	14 ±0.1	6.3 ±0.1	1.75 ±0.1	11.5 ±0.1
FXL1365	24 ±0.3	16 ±0.1	4.0 ±0.1	2.0 ±0.1	1.5 ±0.1	1.5 ±0.1	0.5 ±0.05	13.1 ±0.1	14 ±0.1	6.8 ±0.1	1.75 ±0.1	11.5 ±0.1
FXL1770	32 ±0.3	24 ±0.1	4.0 ±0.1	2.0 ±0.1	1.5 ±0.1	0.5 ±0.05	17.5 ±0.1	18.1 ±0.1	7.3 ±0.1	1.75 ±0.1	14.2 ±0.1	14.2 ±0.1
FXL2213	44 ±0.3	32 ±0.1	4.0 ±0.1	2.0 ±0.1	1.5 ±0.1	0.5 ±0.05	23 ±0.1	24.4 ±0.1	13.5 ±0.1	1.75 ±0.1	20.2 ±0.1	44 ±0.3

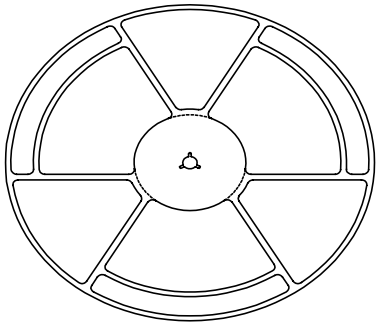
12.Taping Information

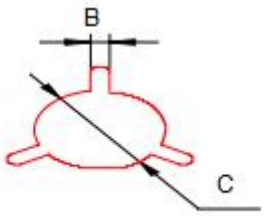
(1) Taping Drawings

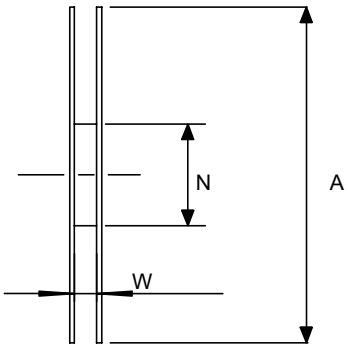




(2) Reel Dimensions（Unit：mm）







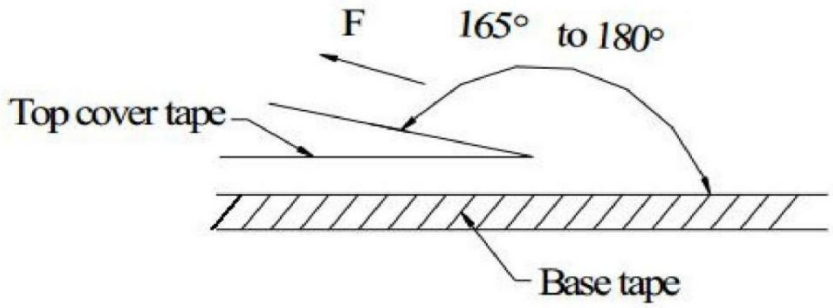
Type	A	W	N	B	C
FXL0412	330±0.2	12.8±0.2	97±0.5	2.2±0.5	13.0±0.2
FXL0420	330±0.2	12.8±0.2	97±0.5	2.2±0.5	13.0±0.2
FXL0518	330±0.2	12.8±0.2	97±0.5	2.2±0.5	13.2±0.2
FXL0530	330±0.2	12.8±0.2	97±0.5	2.2±0.5	13.2±0.2
FXL0615	330±0.2	16.8±0.2	97±0.5	2.2±0.5	13.2±0.2
FXL0618	330±0.2	16.8±0.2	97±0.5	2.2±0.5	13.2±0.2
FXL0624	330±0.2	16.8±0.2	97±0.5	2.2±0.5	13.2±0.2
FXL0630	330±0.2	16.8±0.2	97±0.5	2.2±0.5	13.2±0.2
FXL0640	330±0.2	16.8±0.2	97±0.5	2.2±0.5	13.2±0.2
FXL0650	330±0.2	16.8±0.2	97±0.5	2.2±0.5	13.2±0.2
FXL0840	330±0.2	24±0.5	97±0.5	2.2±0.5	13.0±0.2
FXL0850	330±0.2	24±0.5	97±0.5	2.2±0.5	13.0±0.2
FXL1030	330±0.2	24±0.5	97±0.5	2.2±0.5	13.0±0.2
FXL1040	330±0.2	24±0.5	97±0.5	2.2±0.5	13.0±0.2
FXL1050	330±0.2	24±0.5	97±0.5	2.2±0.5	13.0±0.2
FXL1340	330±0.2	24±0.5	97±0.5	2.2±0.5	13.0±0.2
FXL1350	330±0.2	24±0.5	97±0.5	2.2±0.5	13.0±0.2
FXL1360	330±0.2	24±0.5	97±0.5	2.2±0.5	13.0±0.2
FXL1365	330±0.2	24±0.5	97±0.5	2.2±0.5	13.0±0.2
FXL1770	330±2.0	32.0±0.5	97±0.5	2.3±0.3	13.0±0.2
FXL2213	330±2.0	44.0±0.5	97±0.5	2.3±0.3	13.0±0.2

(3) Packaging Quantity

Type	Standard Quantity		
	Reel	Inner box	Carton box
FXL0412	3000 pcs / reel	4Reel / box (12000 pcs)	3 Inner boxes, (36,000 pcs)
FXL0420	3000 pcs / reel	4Reel / box (12000 pcs)	3 Inner boxes, (36,000 pcs)
FXL0518	2000 pcs / reel	4Reel / box (8000 pcs)	3 Inner boxes, (24000 pcs)
FXL0530	2000 pcs / reel	4Reel / box (8000 pcs)	3 Inner boxes, (24000 pcs)
FXL0615	2000 pcs / reel	3Reel / box (6000 pcs)	3 Inner boxes, (18000 pcs)
FXL0618	1500 pcs / reel	3Reel / box (4500 pcs)	3 Inner boxes, (13500 pcs)
FXL0624	1500 pcs / reel	3Reel / box (4500 pcs)	3 Inner boxes, (13500 pcs)
FXL0630	1500 pcs / reel	3Reel / box (4500 pcs)	3 Inner boxes, (13500 pcs)
FXL0640	1000 pcs / reel	3Reel / box (3000 pcs)	3 Inner boxes, (9000 pcs)
FXL0650	1000 pcs / reel	3Reel / box (3000 pcs)	3 Inner boxes, (9000 pcs)
FXL0840	800 pcs / reel	2Reel / box (1600 pcs)	3 Inner boxes, (4800 pcs)
FXL0850	800 pcs / reel	2Reel / box (1600 pcs)	3Inner boxes, (4800 pcs)
FXL1030	800 pcs / reel	2Reel / box (1600 pcs)	3 Inner boxes, (4800 pcs)
FXL1040	500 pcs / reel	2Reel / box (1000 pcs)	3 Inner boxes, (3000 pcs)
FXL1050	500 pcs / reel	2Reel / box (1000 pcs)	3 Inner boxes, (3000 pcs)
FXL1340	500 pcs / reel	2Reel / box (1000 pcs)	3 Inner boxes, (3000 pcs)
FXL1350	500 pcs / reel	2Reel / box (1000 pcs)	3 Inner boxes, (3000 pcs)
FXL1360	500 pcs / reel	2Reel / box (1000 pcs)	3 Inner boxes, (3000 pcs)
FXL1365	500 pcs / reel	2Reel / box (1000 pcs)	3 Inner boxes, (3000 pcs)
FXL1770	200 pcs / reel	2Reel / box (400 pcs)	3 Inner boxes, (1200 pcs)
FXL2213	80 pcs / reel	1Reel / box (80 pcs)	3 Inner boxes, (240 pcs)

(4) Peel Force of Top Cover Tape

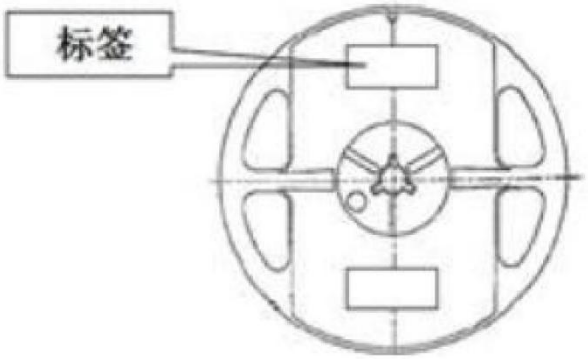
The peel speed shall be about 300mm/minute
The peel force of top cover tape shall be between 0.1 to 1.3 N



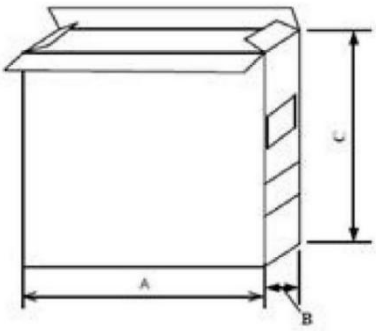
(5) Reel Label

Label on the reel
- Customer's part Number
- Lot Number
- Quantity
- date code

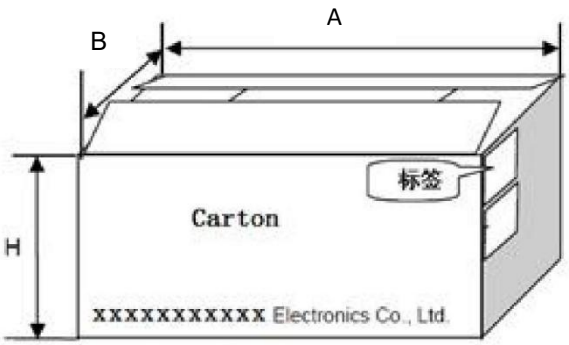
Shipping Label
- Customer's part Number
- Manufacturer's part Number
- Quantity
- date code



(6) Inner Box



Packing type	A（mm）	B（mm）	C（mm）
Inner box	354	86	335



Packing type	A（mm）	B（mm）	C（mm）
type	370	365	285