

Specification of Cjiang products

Customer	
Product Name	Wire Wound Molded SMD Power Inductors
Customer P/N:	
Cjiang P/N:	FXL—B 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: 11 F, 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.cnE-Mail: RD@cjiang.com.cn

Version change history

Rev	Date	Description	APPROVED	CHECKED	DRAWN
1.0	2026/06/08	Document formulation	BOND	QIUCHAN	QIUCHAN

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.

introduction

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



Applications

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

Product Identification

<u>FXL</u>	<u>0420B</u>	<u>-1R5</u>	<u>M</u>	<u>D</u>
①	②	③	④	⑤

① FXL ----- Series name

② 0420B ----- Dimension

③ 1R5 ----- Inductance Value (1R5 = 1.5 μ H)

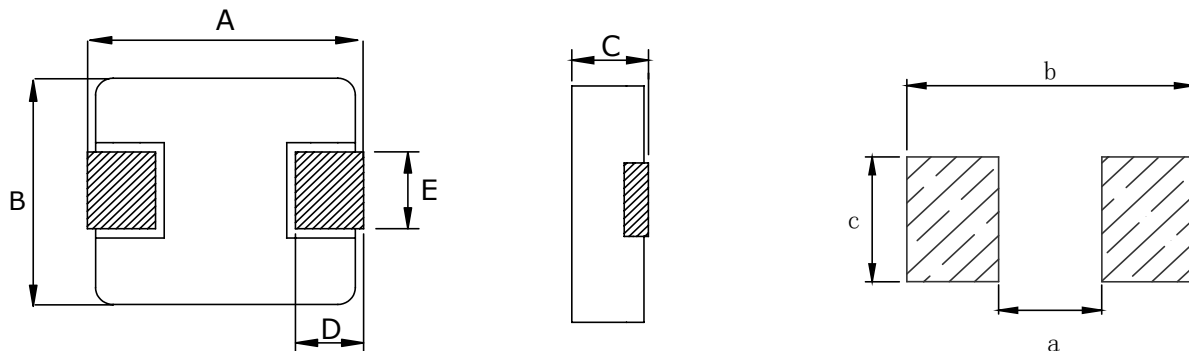
④ M ----- Inductance Tolerance (M=±20%, N=±30%)

⑤ D ----- Strip wire

For customized inductance values beyond standard specifications or special requirements regarding DC Resistance (DCR), saturation current (Isat), and temperature rise current , contact our engineering team
at: E Mail: RD@CJIANG.COM.CN

or visit our official website to contact customer service representatives

Dimensions (unit:mm)



Recommend Land Pattern

Series	A	B	C	D	E	a Ref	b Ref	c Ref
FXL0412B	4.45 ± 0.50	4.20 ± 0.30	1.20 Max	1.10 ± 0.50	2.00 ± 0.30	1.7	5.10	2.50
FXL0415B	4.45 ± 0.50	4.20 ± 0.30	1.50 Max	1.10 ± 0.50	2.00 ± 0.30	1.7	5.10	2.50
FXL0420B	4.45 ± 0.50	4.20 ± 0.30	2.00 Max	1.10 ± 0.50	2.00 ± 0.30	1.7	5.10	2.50
FXL0515B	5.60 ± 0.50	5.20 ± 0.30	1.50 Max	1.30 ± 0.50	2.20 ± 0.30	1.9	6.20	2.50
FXL0518B	5.60 ± 0.50	5.20 ± 0.30	1.80 Max	1.30 ± 0.50	2.20 ± 0.30	1.9	6.20	2.50
FXL0520B	5.60 ± 0.50	5.20 ± 0.30	2.00 Max	1.30 ± 0.50	2.20 ± 0.30	1.9	6.20	2.50
FXL0530B	5.60 ± 0.50	5.20 ± 0.30	3.00 Max	1.30 ± 0.50	2.20 ± 0.30	1.9	6.20	2.50
FXL0540B	5.60 ± 0.50	5.20 ± 0.30	4.00 Max	1.30 ± 0.50	2.20 ± 0.30	1.9	6.20	2.50
FXL0615B	7.10 ± 0.50	6.60 ± 0.30	1.50 Max	1.60 ± 0.50	3.00 ± 0.30	2.9	7.80	3.50
FXL0618B	7.10 ± 0.50	6.60 ± 0.30	1.80 Max	1.60 ± 0.50	3.00 ± 0.30	2.9	7.80	3.50
FXL0620B	7.10 ± 0.50	6.60 ± 0.30	2.00 Max	1.60 ± 0.50	3.00 ± 0.30	2.9	7.80	3.50
FXL0624B	7.10 ± 0.50	6.60 ± 0.30	2.40 Max	1.60 ± 0.50	3.00 ± 0.30	2.9	7.80	3.50
FXL0628B	7.10 ± 0.50	6.60 ± 0.30	2.80 Max	1.60 ± 0.50	3.00 ± 0.30	2.9	7.80	3.50
FXL0630B	7.10 ± 0.50	6.60 ± 0.30	3.00 Max	1.60 ± 0.50	3.00 ± 0.30	2.9	7.80	3.50
FXL0640B	7.10 ± 0.50	6.60 ± 0.30	4.00 Max	1.60 ± 0.50	3.00 ± 0.30	2.9	7.80	3.50
FXL0650B	7.10 ± 0.50	6.60 ± 0.30	5.00 Max	1.60 ± 0.50	3.00 ± 0.30	2.9	7.80	3.50
FXL0820B	8.70 ± 0.50	8.00 ± 0.30	2.00 Max	1.80 ± 0.50	3.00 ± 0.30	4.5	9.0	3.50
FXL0830B	8.70 ± 0.50	8.00 ± 0.30	3.00 Max	1.80 ± 0.30	3.00 ± 0.30	4.5	9.0	3.50
FXL0840B	8.70 ± 0.50	8.00 ± 0.30	4.00 Max	1.80 ± 0.30	3.00 ± 0.30	4.5	9.0	3.50
FXL0850B	8.70 ± 0.50	8.00 ± 0.30	5.00 Max	1.80 ± 0.30	3.00 ± 0.30	4.5	9.0	3.50
FXL0860B	8.70 ± 0.50	8.00 ± 0.30	6.00 Max	1.80 ± 0.30	3.00 ± 0.30	4.5	9.0	3.50
FXL1020B	11.5 Max	10.20 ± 0.30	2.00 Max	2.00 ± 0.50	3.00 ± 0.30	6.0	11.80	3.50
FXL1024B	11.5 Max	10.20 ± 0.30	2.40 Max	2.00 ± 0.50	3.00 ± 0.30	6.0	11.80	3.50
FXL1025B	11.5 Max	10.20 ± 0.30	2.50 Max	2.00 ± 0.50	3.00 ± 0.30	6.0	11.80	3.50
FXL1030B	11.5 Max	10.20 ± 0.30	3.00 Max	2.00 ± 0.50	3.00 ± 0.30	6.0	11.80	3.50
FXL1040B	11.5 Max	10.20 ± 0.30	4.00 Max	2.00 ± 0.50	3.00 ± 0.30	6.0	11.80	3.50
FXL1045B	11.5 Max	10.20 ± 0.30	4.50 Max	2.00 ± 0.50	3.00 ± 0.30	6.0	11.80	3.50
FXL1050B	11.5 Max	10.20 ± 0.30	5.00 Max	2.00 ± 0.50	3.00 ± 0.30	6.0	11.80	3.50
FXL1060B	11.5 Max	10.20 ± 0.30	6.00 Max	2.00 ± 0.50	3.00 ± 0.30	6.0	11.80	3.50
FXL1075B	11.5 Max	10.20 ± 0.30	7.50 Max	2.10 ± 0.50	3.00 ± 0.50	6.0	11.80	4.50

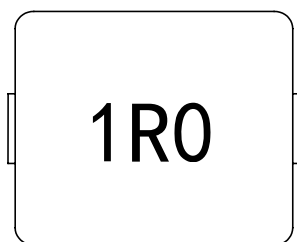
Series	A	B	C	D	E	a Ref	b Ref	c Ref
FXL1175B	10.50 ± 0.50	7.0 ± 0.30	5.00 Max	2.00 ± 0.50	2.80 ± 0.50	5.50	11.80	3.50
FXL1235B	14.50 Max	12.80 ± 0.30	3.50 Max	2.50 ± 0.50	3.80 ± 0.30	7.60	14.10	4.50
FXL1240B	14.50 Max	12.80 ± 0.30	4.00 Max	2.50 ± 0.50	3.80 ± 0.30	7.60	14.10	4.50
FXL1250B	14.50 Max	12.80 ± 0.30	5.00 Max	2.50 ± 0.50	3.80 ± 0.30	7.60	14.10	4.50
FXL1260B	14.50 Max	12.80 ± 0.30	6.00 Max	2.50 ± 0.50	3.80 ± 0.30	7.60	14.10	4.50
FXL1265B	14.50 Max	12.80 ± 0.30	6.50 Max	2.50 ± 0.50	3.80 ± 0.30	7.60	14.10	4.50

Marking

The inductor is marked with a 3-digit code

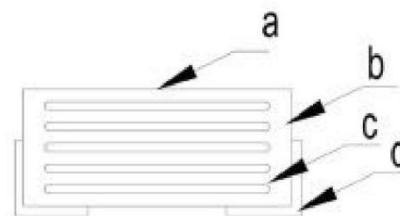
Nominal Inductance	
Example	Nominal Value
1R0	1.0 μ H
100	10 μ H
101	100 μ H

Note : Using Ink for marking



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



Appendix A: Electrical Characteristics

FXL0412B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP
FXL0412B-R22M	0.22	11	10	11	7	8
FXL0412B-R47M	0.47	22	8	8.5	6	6.2
FXL0412B-R60M	0.60	30	7.5	8	5	5.2
FXL0412B-R68M	0.68	34	5.8	6	4.7	4.9
FXL0412B-1R0M	1.0	50	5.3	5.5	4.5	4.7
FXL0412B-1R5M	1.5	72	3.8	4	3.3	3.5
FXL0412B-2R2M	2.2	80	3.5	4	2.8	3
FXL0412B-3R3M	3.3	145	2.8	3	2	2.2
FXL0412B-4R7M	4.7	180	2.2	2.8	1.6	1.8

FXL0415B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL0415B-R22M	0.22	11	10	11	7	8
FXL0415B-1R0M	1.0	46	6.8	7	4.8	5
FXL0415B-1R5M	1.5	52	5	5.5	4.3	4.5
FXL0415B-2R2M	2.2	78	4.3	4.5	3	3.2
FXL0415B-3R3M	3.3	110	3.0	3.5	2.3	2.5
FXL0415B-4R7M	4.7	140	2.8	3	2	2.2

FXL0420B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL0420B-R10N	0.1	5.5	20	22	12	13
FXL0420B-R22M	0.22	6.5	13	14	10	12
FXL0420B-R27M	0.27	11.5	11	12	8.5	9
FXL0420B-R33M	0.33	11.5	11	12	8.5	9
FXL0420B-R47M	0.47	13.5	10	11	8	8.5
FXL0420B-R56M	0.56	20	9	10	6.5	7
FXL0420B-R68M	0.68	23	8.5	9	6	6.5
FXL0420B-1R5M	1.5	45	6.5	7	4.5	4.8
FXL0420B-2R2M	2.2	60	5.5	6	3.6	4
FXL0420B-3R3M	3.3	76	4	4.5	3	3.3
FXL0420B-4R7M	4.7	118	3	3.5	2.2	2.5
FXL0420B-6R8M	6.8	160	2.5	3	2	2.2
FXL0420B-100M	10	245	2.2	2.5	1.6	1.8
FXL0420B-150M	15	345	1.8	2	1.4	1.6
FXL0420B-220M	22	420	1.5	1.6	1.0	1.2

FXL0515B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL0515B-R47M	0.47	12	11	12	9	10
FXL0515B-R68M	0.68	22	10	11	6	8
FXL0515B-1R0M	1.0	34	5.5	6	4.7	5.3
FXL0515B-2R2M	2.2	58	5	5.5	4	4.2
FXL0515B-3R3M	3.3	110	3	3.5	2.5	2.8
FXL0515B-4R7M	4.7	145	2.5	3	2.2	2.5

FXL0518B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 KHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL0518B-R47M	0.47	12	13	14	9	9.5
FXL0518B-R68M	0.68	15	12.5	13.2	8.5	9
FXL0518B-1R0M	1.0	22	7.5	8	6.5	7
FXL0518B-1R5M	1.5	35	7	7.5	5	5.2
FXL0518B-2R2M	2.2	56	6.5	7	4.2	4.5
FXL0518B-3R3M	3.3	76	4.5	5	2.8	3
FXL0518B-4R7M	4.7	80	4	4.5	2.8	3
FXL0518B-5R6M	5.6	105	3.8	4	2.5	2.7
FXL0518B-6R8M	6.8	165	3.5	3.8	1.9	2.1
FXL0518B-8R2M	8.2	165	3	3.5	1.8	2
FXL0518B-100M	10	190	3	3.5	1.7	1.9

FXL0520B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 KHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL0520B-R10N	0.1	3.4	30	34	16	18
FXL0520B-R22M	0.22	5.4	14	15	11	12
FXL0520B-R33M	0.33	8.8	12	13	10	10.5
FXL0520B-R47M	0.47	12	11	12	9	9.5
FXL0520B-R68M	0.68	16.5	10	11	7.5	8.5
FXL0520B-1R0M	1.0	22	9	10	7	8
FXL0520B-1R5M	1.5	33	7.5	8	5.5	6
FXL0520B-2R2M	2.2	46	6.5	7	4.5	5
FXL0520B-3R3M	3.3	65	5.5	6	3.5	3.7
FXL0520B-4R7M	4.7	100	4.5	5	2.8	3
FXL0520B-5R6M	5.6	105	3.8	4	2.5	2.8
FXL0520B-6R8M	6.8	140	3.8	4	2	2.2
FXL0520B-8R2M	8.2	155	3	3.5	1.9	2.1
FXL0520B-100M	10	195	2.8	3	1.8	2

FXL0530B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 KHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL0530B-R10N	0.1	3	33	35	20	22
FXL0530B-R22M	0.22	4.5	24	25	18	20
FXL0530B-R33M	0.33	7.5	18	20	11	12
FXL0530B-R47M	0.47	8	16	18	10	11
FXL0530B-R56M	0.56	9	16	17	10	11
FXL0530B-R68M	0.68	11	13	14.5	9	10
FXL0530B-R82M	0.82	12	12	13	8.5	9
FXL0530B-1R0M	1.0	14	11	12	8.3	8.8
FXL0530B-1R2M	1.2	14	10.5	11	8.3	8.8
FXL0530B-1R5M	1.5	20	10	10.5	7.5	8
FXL0530B-2R2M	2.2	30	8.5	9	5	5.5
FXL0530B-3R3M	3.3	38	7	8	4.5	4.8
FXL0530B-4R7M	4.7	57	5	6	4.2	4.5
FXL0530B-5R6M	5.6	66	4.5	5.5	3.5	4.0
FXL0530B-6R8M	6.8	78	4	5	2.8	3
FXL0530B-8R2M	8.2	108	4.5	5	2.5	2.8
FXL0530B-100M	10	140	3.5	3.7	2	2.5
FXL0530B-150M	15	215	2.8	3	1.8	2
FXL0530B-220M	22	255	2.3	2.5	1.3	1.5
FXL0530B-330M	33	390	1.8	2	1.0	1.2

FXL0540B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL0540B-4R7M	4.7	48	6	7	4.3	4.6
FXL0540B-100M	10	105	4.5	5	2.5	2.8
FXL0540B-150M	15	155	2.8	3	2	2.2
FXL0540B-220M	22	220	2.3	2.5	1.5	1.8
FXL0540B-330M	33	325	2.3	2.5	1.2	1.3
FXL0540B-470M	47	430	1.5	1.8	1.0	1.2

FXL0615B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 KHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL0615B-R68M	0.68	18	11	12	9	10
FXL0615B-1R0M	1.0	22	8.5	9	7.8	8.2
FXL0615B-1R5M	1.5	35	5.5	6	4	4.5
FXL0615B-2R2M	2.2	54	6	7	4.5	5
FXL0615B-4R7M	4.7	90	4.5	5	3.5	4

FXL0618B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL0618B-R10N	0.1	2.8	24	26	22	24
FXL0618B-R15M	0.15	3	23	25	20	22
FXL0618B-R22M	0.22	4.5	23	25	14	15
FXL0618B-R33M	0.33	5	22	24	13	14
FXL0618B-R47M	0.47	8.5	18	20	10.5	11.5
FXL0618B-R68M	0.68	12	15	16	9	10
FXL0618B-1R0M	1.0	20	12	14	7.5	8
FXL0618B-1R5M	1.5	30	9	10	6.5	7
FXL0618B-2R2M	2.2	42	7.5	8	4.5	5
FXL0618B-3R3M	3.3	58	6.5	7	4	4.5
FXL0618B-4R7M	4.7	75	5	5.5	3.8	4
FXL0618B-6R8M	6.8	105	4.2	4.5	3	3.2
FXL0618B-100M	10	175	3	3.5	2	2.2

FXL0620B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL0620B-R10N	0.1	2.6	32	35	22	24
FXL0620B-R22M	0.22	3.5	23	25	16	18
FXL0620B-R33M	0.33	5.5	22	24	14	16
FXL0620B-R47M	0.47	8.5	18	20	12	14
FXL0620B-R68M	0.68	12	16	17	9	10
FXL0620B-R82M	0.82	20	13	14	8	9
FXL0620B-1R0M	1.0	20	13	14	8	9
FXL0620B-1R5M	1.5	25	11	12	6	6.5
FXL0620B-2R2M	2.2	36	8.5	9	5	5.5
FXL0620B-3R3M	3.3	53	6.5	7	4	4.5
FXL0620B-4R7M	4.7	75	6	6.5	3.5	4
FXL0620B-6R8M	6.8	110	3.5	4	3	3.2
FXL0620B-100M	10	175	3	3.5	2	2.2

FXL0624B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 KHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL0624B-R10N	0.1	2.2	38	40	24	26
FXL0624B-R15M	0.15	2.3	40	42	22	24
FXL0624B-R22M	0.22	3.6	32	34	20	21
FXL0624B-R36M	0.36	5.5	20	22	15	17
FXL0624B-R47M	0.47	6.2	17	18	13	15
FXL0624B-R68M	0.68	9	16	18	12	13
FXL0624B-1R0M	1.0	13.5	14	15	9.5	11
FXL0624B-1R5M	1.5	18	12	13	8	8.5
FXL0624B-2R2M	2.2	30	9	10	6	6.5
FXL0624B-3R3M	3.3	42	8.5	9	5	5.5
FXL0624B-4R7M	4.7	50	6.5	7	4.5	5
FXL0624B-5R6M	5.6	58	6	6.5	4.2	4.5
FXL0624B-6R8M	6.8	72	6	6.5	4	4.2
FXL0624B-8R2M	8.2	80	5	5.5	3.8	4
FXL0624B-100M	10	105	4.5	5	2.8	3.1
FXL0624B-150M	15	160	3.3	3.5	2.5	2.6
FXL0624B-220M	22	198	2.5	3	2.2	2.4

FXL0628B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 KHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL0628B-1R0M	1.0	12	15	16	11.5	12
FXL0628B-1R5M	1.5	13	13	14	12	13
FXL0628B-2R2M	2.2	20	11	12	8	9

FXL0630B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current		Heating Rating Current	
	L0 (μH)	DCR (mΩ)	Isat (A)		Irms (A)	
	100 KHz, 1V	MAX.	Max	Typ	Max	Typ
FXL0630B-R10N	0.1	2	45	50	29	32
FXL0630B-R15M	0.15	2.4	48	52	29	32
FXL0630B-R22M	0.22	2.8	32	35	24	24.5
FXL0630B-R33M	0.33	4	28	30	19	20
FXL0630B-R47M	0.47	4.2	21	24	18	19
FXL0630B-R56M	0.56	4.8	20	22	17	18
FXL0630B-R68M	0.68	5.8	18	20	15	16
FXL0630B-R82M	0.82	6.8	18	20	13.5	14
FXL0630B-1R0M	1.0	11	15.5	16	11.5	12
FXL0630B-1R5M	1.5	13	13	14	10	11
FXL0630B-2R2M	2.2	20	11	12	8	9
FXL0630B-2R7M	2.7	20	11	12	8	8.5
FXL0630B-3R3M	3.3	30	9	10	6.2	6.5
FXL0630B-4R7M	4.7	42	8	8.5	6	6.2
FXL0630B-5R6M	5.6	52	7.5	8	4.8	5
FXL0630B-6R8M	6.8	60	6.5	7	4	4.2
FXL0630B-8R2M	8.2	70	5.6	6	3.8	4
FXL0630B-100M	10	100	5.3	5.5	3.5	3.8
FXL0630B-150M	15	130	3.5	4	2.8	3
FXL0630B-220M	22	165	3.2	3.5	2.3	2.5
FXL0630B-330M	33	245	2.3	2.5	2	2.2
FXL0630B-470M	47	360	1.8	2	1.5	1.8

FXL0640B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL0640B-R22MD	0.22	1.25	35	38	32	33
FXL0640B-R33M	0.33	3.8	26	28	18	19
FXL0640B-R68M	0.68	4.8	16	18	17	18
FXL0640B-1R0M	1.0	6.8	15	16	13	14
FXL0640B-1R5M	1.5	10	12	14	12	13
FXL0640B-2R2M	2.2	12	12	14	10.5	11.5
FXL0640B-3R3M	3.3	20	10	12	8	9
FXL0640B-4R7M	4.7	28	9	10	7	8
FXL0640B-6R8M	6.8	48	7	8	5	5.5
FXL0640B-100M	10	64	5	5.5	4.5	5
FXL0640B-150M	15	100	4.5	5	3.5	4
FXL0640B-220M	22	135	3	3.5	2.5	3
FXL0640B-330M	33	215	3	3.5	2	2.5
FXL0640B-470M	47	275	2.5	3	1.8	2

FXL0650B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL0650B-R22M	0.22	2.5	38	40	28	30
FXL0650B-R36M	0.36	3.3	26	28	17	21
FXL0650B-R47M	0.47	3.5	20	22	17	20
FXL0650B-R56M	0.56	4.5	18	20	14.5	16.5
FXL0650B-R68M	0.68	5.2	16.5	18	14	16
FXL0650B-1R0M	1.0	6.8	15	16	13	14
FXL0650B-1R5M	1.5	8.8	12	14	12	13
FXL0650B-2R2M	2.2	13	11	12	8.5	9.5
FXL0650B-3R3M	3.3	18	10	12	7.6	8.5
FXL0650B-4R7M	4.7	24	10	11	6	7
FXL0650B-5R6M	5.6	32	7	8.5	6	6.5
FXL0650B-6R8M	6.8	35	7	8	5.5	6.5
FXL0650B-8R2M	8.2	46	6	7.5	4.8	5.5
FXL0650B-100M	10	56	6	7	3.8	5.3
FXL0650B-150M	15	70	4.5	5	3.5	4.5
FXL0650B-220M	22	130	3.5	4	3	3.5
FXL0650B-330M	33	175	3	3.5	2.4	3
FXL0650B-470M	47	255	2.5	3	2	2.5
FXL0650B-680M	68	360	1.8	2.1	1.4	1.6
FXL0650B-101M	100	510	1.5	1.8	1.2	1.5

FXL0820B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL0820B-1R0M	1.0	14	15	16.6	10.2	11.4

FXL0830B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL0830B-R33M	0.33	3	28	30	20	21
FXL0830B-R47M	0.47	3.8	27	30	19	20
FXL0830B-R68M	0.68	4.5	19	20	18	19
FXL0830B-R82M	0.82	6.5	20	22	13	14
FXL0830B-1R0M	1.0	6.5	19	20	13	14
FXL0830B-1R5M	1.5	7.6	15	16	12	13
FXL0830B-2R2M	2.2	12	12	14	10	11
FXL0830B-3R3M	3.3	18	9	10	8	9.5
FXL0830B-4R7M	4.7	33	8.5	9	6.5	7.5
FXL0830B-5R6M	5.6	36	7.5	8	6	7
FXL0830B-6R8M	6.8	55	8	9	5	6
FXL0830B-100M	10	60	6	6.5	4.8	5.5
FXL0830B-150M	15	105	4.5	5	3.5	4
FXL0830B-220M	22	115	4	4.5	3	3.8
FXL0830B-330M	33	175	3	3.5	2	2.5
FXL0830B-470M	47	290	2	2.5	1.5	2

FXL0840B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL0840B-R33MD	0.33	2.2	35	36	27	29
FXL0840B-1R0M	1.0	5	19	20	16	17
FXL0840B-2R2M	2.2	12	15	16	10.5	11.5
FXL0840B-3R3M	3.3	15	11	12	9	10
FXL0840B-4R7M	4.7	22	10	10.5	7.5	8
FXL0840B-6R8M	6.8	35	9	10	6	7
FXL0840B-8R2M	8.2	52	7.5	8	5	6.5
FXL0840B-100M	10	52	7.5	8	5	6.5
FXL0840B-150M	15	70	6	7	4.5	5
FXL0840B-220M	22	105	5	5.5	3.5	4.2
FXL0840B-330M	33	150	3.2	3.5	2.5	2.8
FXL0840B-470M	47	190	2.5	3	2	2.5

FXL0850B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL0850B-R15MD	0.15	0.7	58	60	38	40
FXL0850B-R22M	0.22	2.2	50	55	25	26
FXL0850B-R22MD	0.22	0.75	50	55	30	32
FXL0850B-R33M	0.33	3	30	35	20	21
FXL0850B-R47M	0.47	3	29	30	22	23
FXL0850B-R68M	0.68	4.5	23	25	18	19
FXL0850B-R82M	0.82	4.8	23	24	17	18
FXL0850B-1R0M	1.0	5	19	20	16	17
FXL0850B-1R5M	1.5	6	19	20	14	15
FXL0850B-1R8M	1.8	9	17	18	13	14
FXL0850B-2R2M	2.2	10	15	16	11	12
FXL0850B-3R3M	3.3	13.5	12	13	10	10.5
FXL0850B-4R7M	4.7	18	11	12	8.5	9.5
FXL0850B-5R6M	5.6	24	10	11	8	9
FXL0850B-6R8M	6.8	24	10	11	8	9
FXL0850B-8R2M	8.2	35	8	10	7	8
FXL0850B-100M	10	42	7	8	6	6.5
FXL0850B-150M	15	58	6.5	7	5	6
FXL0850B-220M	22	85	6	6.5	4	4.5
FXL0850B-330M	33	140	4.5	5	2.5	3.5
FXL0850B-470M	47	185	3	3.5	2	2.5
FXL0850B-560M	56	195	3	3.5	2.2	2.5
FXL0850B-680M	68	265	2.5	3	1.5	2
FXL0850B-101M	100	310	2	2.5	1.3	1.8

FXL0860B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL0860B-220M	22	70	7	7.2	6	6.2

FXL1020B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL1020B-2R2M	2.2	30	9.5	10	7	8
FXL1020B-3R3M	3.3	36	8.5	9.5	6	7

FXL1024B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL1024B-2R2M	2.2	20	10	11	8.5	9.5

FXL1025B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL1025B-1R0M	1.0	9.6	17	18	13	14

FXL1030B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 KHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL1030B-R22MD	0.22	0.9	40	41	30	32
FXL1030B-R56M	0.56	3.8	28	30	19	22
FXL1030B-R68MD	0.68	3.2	25	28	22	25
FXL1030B-1R0M	1.0	7.8	22	24	13	14
FXL1030B-1R5M	1.5	7.5	18	20	13	14
FXL1030B-2R2M	2.2	13.5	15	16	9	10
FXL1030B-3R3M	3.3	20	13	14	7	8
FXL1030B-4R7M	4.7	30	10.5	12	5.5	6
FXL1030B-6R8M	6.8	52	9	10	5	5.2
FXL1030B-8R2M	8.2	60	8.5	9	4.8	5
FXL1030B-100M	10	62	7	8	4.5	5
FXL1030B-150M	15	85	6.5	7.5	4	4.5
FXL1030B-220M	22	105	5.5	6	3	3.5
FXL1030B-330M	33	140	3.5	4	2	2.5

FXL1040B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL1040B-R15MD	0.15	0.52	70	75	42	45
FXL1040B-R19MD	0.19	0.8	60	65	35	37
FXL1040B-R22MD	0.22	0.8	55	60	35	37
FXL1040B-R33MD	0.33	1.5	48	50	28	30
FXL1040B-R36MD	0.36	1.5	48	50	28	30
FXL1040B-R47MD	0.47	1.5	40	42	26	27
FXL1040B-R56MD	0.56	2.3	30	34	24	25
FXL1040B-R68MD	0.68	2.4	30	32	22	23
FXL1040B-R82MD	0.82	2.5	28	30	20	21
FXL1040B-1R0MD	1.0	3	27	28	18	19
FXL1040B-1R0M	1.0	5	27	28	16	17
FXL1040B-1R5M	1.5	6	19	20	14	15
FXL1040B-2R2M	2.2	8.4	18	19	11	13
FXL1040B-2R7M	2.7	9	17	18	11	13
FXL1040B-3R3M	3.3	12	16	18	11	12
FXL1040B-4R7M	4.7	18	14.5	15	7.5	9
FXL1040B-6R8M	6.8	22	10	11	8	8.5
FXL1040B-8R2M	8.2	32	10	11	7	7.2
FXL1040B-100M	10	38	8.5	9	6	6.5
FXL1040B-150M	15	57	7.5	8	5	5.5
FXL1040B-220M	22	72	6.0	6.5	4.5	5
FXL1040B-330M	33	100	5	6	3.6	4
FXL1040B-390M	39	135	4	5	3.0	3.5
FXL1040B-470M	47	145	4.5	5	3.0	3.3
FXL1040B-680M	68	240	3.5	4	2.1	2.3
FXL1040B-820M	82	260	3	3.5	1.9	2.1
FXL1040B-101M	100	365	2.8	3	1.8	2

FXL1045B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL1045B-4R7M	4.7	18	14.5	15	7.5	9
FXL1045B-100M	10	45	8.5	9	6.5	7
FXL1045B-220M	22	70	6.5	7	4.8	5.2
FXL1045B-330M	33	100	5	6	3.6	4
FXL1045B-470M	47	130	4.5	5	3.2	3.5
FXL1045B-101M	100	275	3	3.5	1.9	2.1

FXL1050B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 KHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL1050B-R22MD	0.22	0.8	60	65	32.5	37
FXL1050B-1R0MD	1.0	3	28	30	21	23
FXL1050B-1R5M	1.5	5.8	22	25	15	16
FXL1050B-1R5MD	1.5	4	22	25	18.5	21
FXL1050B-2R2M	2.2	6.5	20	22	13	14.8
FXL1050B-2R2MD	2.2	5.5	20	22	14	15
FXL1050B-3R3M	3.3	9	16	18	11.5	13
FXL1050B-4R7M	4.7	18	13.5	15	9.5	10.5
FXL1050B-6R8M	6.8	27	13	14	7.5	9
FXL1050B-8R2M	8.2	32	12	13	7	8
FXL1050B-100M	10	32	11	12	7	8
FXL1050B-150M	15	45	9	10	5.7	6.5
FXL1050B-220M	22	65	7	8	5.5	6
FXL1050B-330M	33	85	5	6	4.2	4.8
FXL1050B-470M	47	130	4.5	5	3.2	3.7
FXL1050B-560M	56	155	4.5	5	3	3.2
FXL1050B-680M	68	175	4	4.5	2.4	2.7
FXL1050B-820M	82	240	3	3.5	2.2	2.5
FXL1050B-101M	100	268	3.5	4	2	2.2

FXL1060B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 KHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL1060B-2R2M	2.2	5.8	22	24	16	18
FXL1060B-100M	10	19	13	13.5	9.5	10

FXL1075B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 KHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL1075B-R50MD	0.5	1.1	45	55	25	27
FXL1075B-100M	10	19	14.5	16	13.2	14.7

FXL1175B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 KHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL1175B-R10MD	0.1	0.45	60	65	40	45
FXL1175B-R15MD	0.15	0.70	53	55	36	40
FXL1175B-R22MD	0.22	0.82	48	50	30	35
FXL1175B-R27MD	0.27	0.95	43	45	26	30

FXL1235B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL1235B-R47MD	0.47	1.9	42	45	29	33
FXL1235B-R68MD	0.68	3	38	40	24	26
FXL1235B-1R0M	1.0	4.5	36	38	22	24
FXL1235B-1R5M	1.5	6.5	28	30	18	20
FXL1235B-2R2M	2.2	7.5	18	20	14	15
FXL1235B-3R3M	3.3	16	16	18	11	13
FXL1235B-4R7M	4.7	22	13	15	8	10
FXL1235B-100M	10	45	7	8	5.8	6.5
FXL1235B-220M	22	74	6	7	3.8	4.5

FXL1240B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL1240B-R47MD	0.47	1.9	42	45	29	33
FXL1240B-R68MD	0.68	3	38	40	24	26
FXL1240B-1R0M	1.0	4.5	36	38	22	24
FXL1240B-1R5M	1.5	6.5	28	30	18	20
FXL1240B-2R2M	2.2	7.5	18	20	14	15
FXL1240B-3R3M	3.3	16	16	18	11	13
FXL1240B-4R7M	4.7	20	15	16	8	9
FXL1240B-6R8M	6.8	26	10	11	7	8
FXL1240B-100M	10	45	8	10	5.8	6.5
FXL1240B-220M	22	74	6	7	3.8	4.5
FXL1240B-330M	33	95	5	6	3.5	4

FXL1250B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL1250B-R22MD	0.22	0.85	60	65	42	45
FXL1250B-R33MD	0.33	1.2	55	60	37	38
FXL1250B-R47MD	0.47	1.6	42	45	30	35
FXL1250B-R68MD	0.68	2.1	35	40	26	28
FXL1250B-R82MD	0.82	2.1	35	40	25	27
FXL1250B-1R0MD	1.0	3	30	35	24	26
FXL1250B-1R5MD	1.5	3.2	26	30	22	23
FXL1250B-2R2M	2.2	7	22	26	16	17
FXL1250B-2R2MD	2.2	5.8	32	34	18	20
FXL1250B-3R3M	3.3	8	21	24	15	16
FXL1250B-4R7M	4.7	13	19	20	12	13
FXL1250B-6R8M	6.8	25	15	16	9	10
FXL1250B-8R2M	8.2	30	15	17	8.5	9
FXL1250B-100M	10	35	13	14	6.5	7
FXL1250B-150M	15	42	10	12	6	6.5
FXL1250B-220M	22	60	8.5	9	5.5	6
FXL1250B-330M	33	85	6.5	7	4.5	5
FXL1250B-470M	47	105	5	6	4	4.5
FXL1250B-680M	68	160	4.5	5	3	3.5
FXL1250B-101M	100	185	3.5	4	2.5	3

FXL1260B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL1260B-R22MD	0.22	0.75	60	75	40	45
FXL1260B-R33MD	0.33	0.8	50	60	38	42
FXL1260B-R82MD	0.82	2.1	40	45	26	28
FXL1260B-1R0MD	1.0	2.85	34	38	24	26
FXL1260B-1R5MD	1.5	2.8	28	30	24	26
FXL1260B-2R2MD	2.2	4.5	25	27	20	22
FXL1260B-3R3M	3.3	7.5	24	26	16	18
FXL1260B-4R7M	4.7	11	20	24	14	16
FXL1260B-5R6M	5.6	12	17	18	11	13
FXL1260B-6R8M	6.8	15	16	17	10	12
FXL1260B-8R2M	8.2	20	15	16	9	10
FXL1260B-100M	10	22	13	14	9	10
FXL1260B-150M	15	35	12	13	7	8
FXL1260B-180M	18	36	12	13	6.5	7.8
FXL1260B-220M	22	40	9	10	6	7.5
FXL1260B-270M	27	60	8	9	5.2	5.8
FXL1260B-330M	33	68	8	9	5	5.5
FXL1260B-470M	47	70	6	8	4.5	5.5
FXL1260B-680M	68	115	4	5	3.5	4
FXL1260B-820M	82	165	4	5	3	3.5
FXL1260B-101M	100	175	4	4.5	2.7	3.2

FXL1265B-XXX series

Part No.	Inductance	DC Resistance	Saturation Current	Saturation Current	Heating Rating Current	Heating Rating Current
	L0 (μH)	DCR (mΩ)	Isat (A)	Isat (A)	Irms (A)	Irms (A)
	100 kHz, 1V	MAX.	MAX	TYP.	MAX	TYP.
FXL1265B-R22MD	0.22	0.75	60	75	40	45
FXL1265B-R47MD	0.47	1.0	50	60	38	42
FXL1265B-R82MD	0.82	2.1	33	35	26	28
FXL1265B-1R0MD	1.0	2.85	34	38	24	26
FXL1265B-1R5MD	1.5	2.8	28	30	24	26
FXL1265B-2R2MD	2.2	4.5	25	27	20	22
FXL1265B-3R3M	3.3	7.5	24	26	16	18
FXL1265B-4R7M	4.7	11	20	24	14	16
FXL1265B-5R6M	5.6	12	17	18	11	13
FXL1265B-6R8M	6.8	15	16	17	10	12
FXL1265B-8R2M	8.2	18	15	16	9.2	10.5
FXL1265B-100M	10	22	13	14	9	10
FXL1265B-150M	15	35	12	13	7	8
FXL1265B-180M	18	36	12	13	6.5	7.8
FXL1265B-220M	22	40	9	10	6	7.5
FXL1265B-270M	27	60	8	9	5.2	5.8
FXL1265B-330M	33	68	8	9	5	5.5
FXL1265B-470M	47	70	6	8	4.5	5.5
FXL1265B-680M	68	115	4	5	3.5	4
FXL1265B-820M	82	165	4	5	3	3.5
FXL1265B-101M	100	175	4	4.5	2.7	3.2

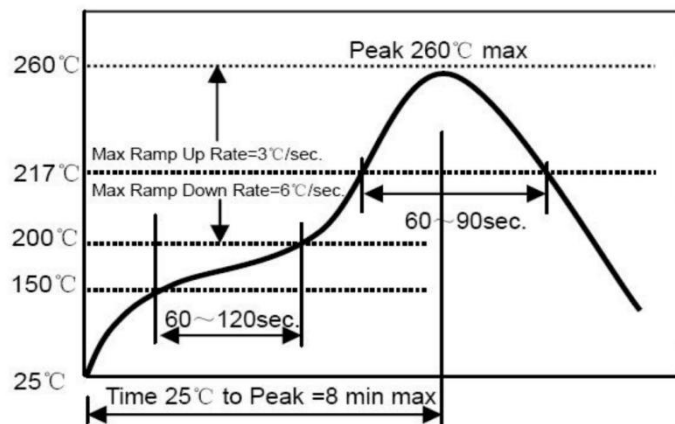
Notes

1. All test data is erenced to 25 °C ambient
2. Operating temperature range - 45 °C to + 125 °C
3. Isat (A) MAX: DC current at which the inductance drops approximately 30% from its value without current.
- 4 . Irms (typ): DC current that causes the temperature rise(AT = 40°C) form 25°C ambient
5. Irms (Max): DC current that causes thetemperature rise(AT = 20°C)form 25°C ambient
6. 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.
- 7 . For FXLB series inductors,absolute maximum voltage: DC30V.
8. Storage temperature range (packaging conditions):≤35°C and RH 85% (Max.)

Mechanical Reliability		
Item	Specification and Requirement	Test Method
Solderability	1. No case deformation or change in appearance 2. New solder coverage More than 95%	1. Preheat: 155°C±5°C , 60S±2S 2. Tin: lead-free. 3. Temperature: 240°C±5°C, flux 3.0S±0.5S.
Mechanical shock	1. No case deformation or change in appearance 2. $\Delta L/L_0 \leq \pm 10\%$	1. Acceleration: 100G 2. Pulse time: 6ms 3. 3 times in each positive and negative direction of 3 mutual perpendicular directions
Mechanical vibration	1. No case deformation or change in appearance 2. $\Delta L/L_0 \leq \pm 10\%$	1. low: 2times 2. Frequency: 10HZ~55HZ~10HZ, 20 Min/Cycles 3. Amplitude: 1.52 mm 4. Directions: X,Y,Z 5. Time: 12 cycle / direction
Endurance Reliability		
Item	Specification and Requirement	Test Method
Thermal Shock	Inductance change: Within $\pm 10\%$ Without distinct damage in appearance	1. First -55°C for 30 minutes, last 125°C 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 $\pm 10\%$ Without distinct damage in appearance	1. low 2 times, 2. 85°C, 85%RH, 1000 hours 3. Measured at room temperature after placing for 24±2 hours
Low temperature storage	Inductance change: Within $\pm 10\%$ Without distinct damage in appearance	1. Temperature: -55 ± 2°C 2. Time: 1000 hours 3. Measured at room temperature after placing for 24±2 hours
High temperature storage	Inductance change: Within $\pm 10\%$ Without distinct damage in appearance	1. Temperature: +125 ± 2°C 2. Time: 1000 hours 3. Measured at room temperature after placing for 24±2 hours

Recommended Soldering Technologies

(1)Re-flowing Profile



Preheat condition: 150 ~200°C/60~120sec.

Allowed time above 217°C: 60~90sec.

Max temp: 260°C

Max time at max temp: 10 sec.

Solder paste: Sn/3.0Ag/0.5Cu

Allowed low time: 2x max

(2)Iron Soldering Profile

Iron soldering power: Max. 30W

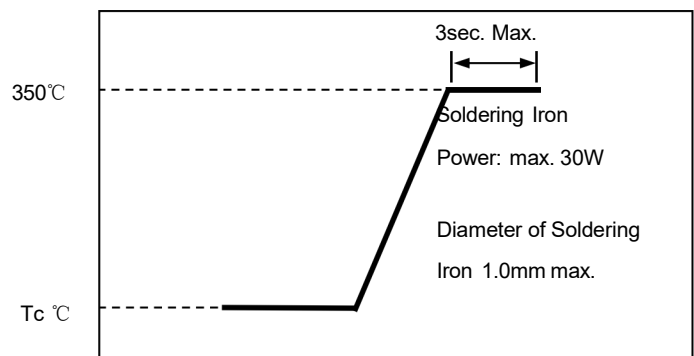
Pre-heating: 150°C/60sec.

Soldering Tip temperature: 350°C Max.

Soldering time: 3sec. Max.

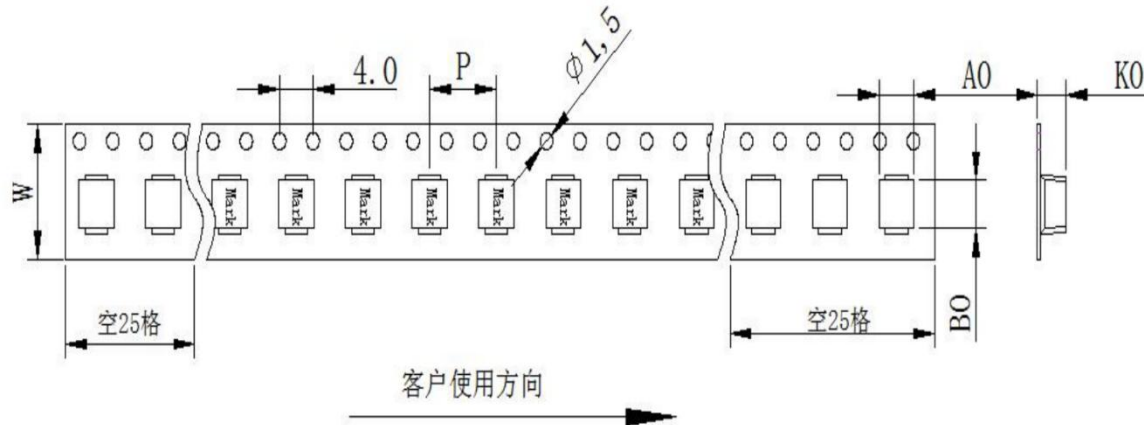
Solder paste: Sn/3.0Ag/0.5Cu

Max.1 times for iron soldering



Packaging Information

(1) Tape Packaging Dimensions (Unit: mm)

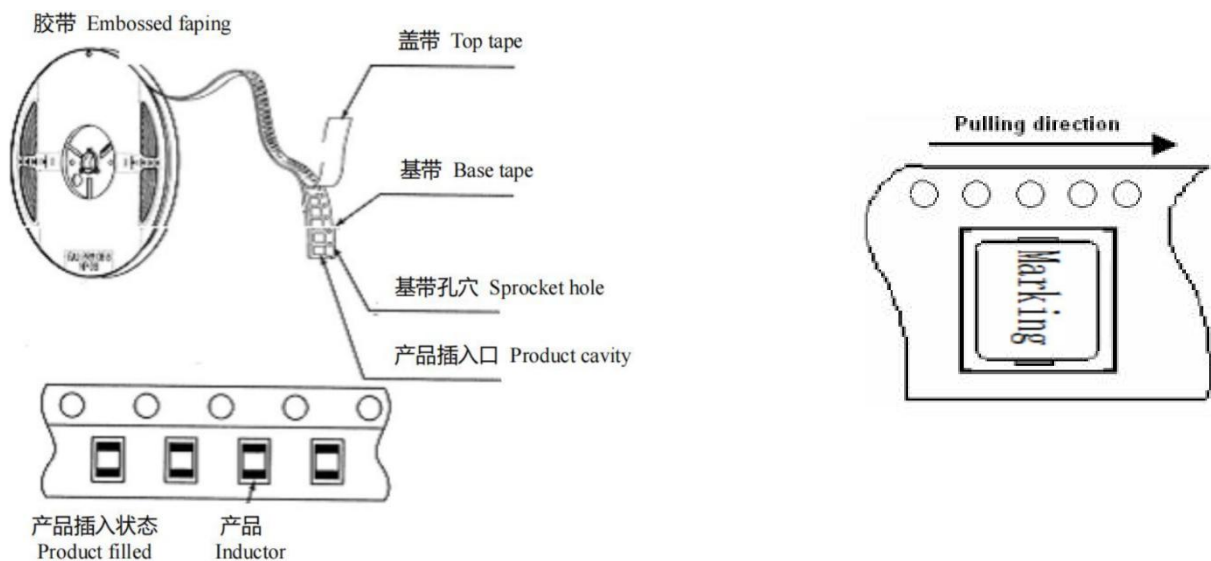


Taping dimensions (Unit: mm)

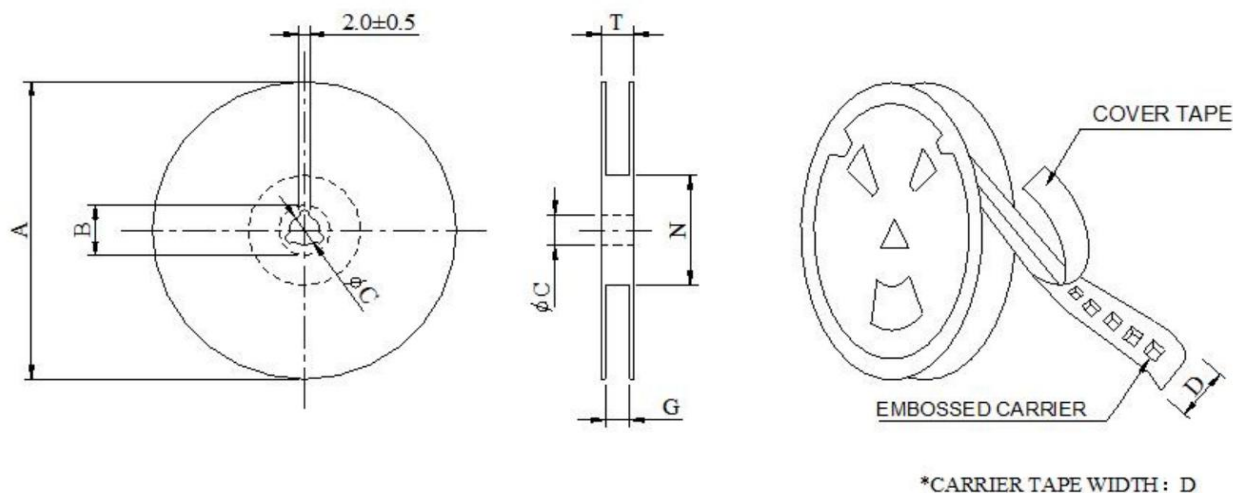
型号 Size	P	W	A0	B0	K0
0412系列	8.00 ± 0.10	12.00 ± 0.30	4.40 ± 0.20	4.90 ± 0.20	1.40 ± 0.15
0415系列	8.00 ± 0.10	12.00 ± 0.30	4.40 ± 0.20	4.90 ± 0.20	2.20 ± 0.15
0418系列	8.00 ± 0.10	12.00 ± 0.30	4.40 ± 0.20	4.90 ± 0.20	2.20 ± 0.15
0420系列	8.00 ± 0.10	12.00 ± 0.30	4.40 ± 0.20	4.90 ± 0.20	2.20 ± 0.15
0515系列	8.00 ± 0.10	16.00 ± 0.30	5.40 ± 0.20	6.20 ± 0.20	2.20 ± 0.15
0518系列	8.00 ± 0.10	16.00 ± 0.30	5.40 ± 0.20	6.20 ± 0.20	2.20 ± 0.15
0520系列	8.00 ± 0.10	16.00 ± 0.30	5.40 ± 0.20	6.20 ± 0.20	2.20 ± 0.15
0530系列	8.00 ± 0.10	16.00 ± 0.30	5.40 ± 0.20	6.20 ± 0.20	3.20 ± 0.15
0540系列	8.00 ± 0.10	16.00 ± 0.30	5.40 ± 0.20	6.20 ± 0.20	4.20 ± 0.15
0615系列	12.00 ± 0.10	16.00 ± 0.30	6.90 ± 0.20	7.60 ± 0.20	2.20 ± 0.15
0618系列	12.00 ± 0.10	16.00 ± 0.30	6.90 ± 0.20	7.60 ± 0.20	2.20 ± 0.15
0620系列	12.00 ± 0.10	16.00 ± 0.30	6.90 ± 0.20	7.60 ± 0.20	2.20 ± 0.15
0624系列	12.00 ± 0.10	16.00 ± 0.30	6.90 ± 0.20	7.60 ± 0.20	2.60 ± 0.15
0628系列	12.00 ± 0.10	16.00 ± 0.30	6.90 ± 0.20	7.60 ± 0.20	3.20 ± 0.15
0630系列	12.00 ± 0.10	16.00 ± 0.30	6.90 ± 0.20	7.60 ± 0.20	3.20 ± 0.15
0640系列	12.00 ± 0.10	16.00 ± 0.30	6.90 ± 0.20	7.60 ± 0.20	5.20 ± 0.15

0650系列	12.00 ± 0.10	16.00 ± 0.30	6.90 ± 0.20	7.60 ± 0.20	5.20 ± 0.15
0670系列	12.00 ± 0.10	16.00 ± 0.30	7.0 ± 0.20	7.70 ± 0.20	6.30 ± 0.15
0830系列	12.00 ± 0.10	24.00 ± 0.30	8.40 ± 0.10	9.90 ± 0.10	3.20 ± 0.15
0840系列	12.00 ± 0.10	24.00 ± 0.30	8.40 ± 0.10	9.90 ± 0.10	5.20 ± 0.15
0850系列	12.00 ± 0.10	24.00 ± 0.30	8.40 ± 0.20	9.90 ± 0.10	5.20 ± 0.15
0860系列	12.00 ± 0.10	24.00 ± 0.30	8.40 ± 0.20	9.90 ± 0.10	6.20 ± 0.15
1030系列	16.00 ± 0.10	24.00 ± 0.30	10.60 ± 0.20	11.80 ± 0.20	3.20 ± 0.15
1040系列	16.00 ± 0.10	24.00 ± 0.30	10.60 ± 0.20	11.80 ± 0.20	4.20 ± 0.15
1045系列	16.00 ± 0.10	24.00 ± 0.30	10.60 ± 0.20	11.80 ± 0.20	5.20 ± 0.15
1050系列	16.00 ± 0.10	24.00 ± 0.30	10.60 ± 0.20	11.80 ± 0.20	5.20 ± 0.15
1060系列	16.00 ± 0.10	24.00 ± 0.30	10.60 ± 0.20	11.80 ± 0.20	7.70±0.15
1070系列	16.00 ± 0.10	24.00 ± 0.30	10.60 ± 0.20	11.80 ± 0.20	7.70± 0.15
1075系列	16.00 ± 0.10	24.00 ± 0.30	10.60 ± 0.20	11.80 ± 0.20	7.70±0.15
1175系列	16.00 ± 0.10	24.00 ± 0.30	7.45 ± 0.20	11.80± 0.20	5.20 ± 0.15
1235系列	16.00 ± 0.10	24.00 ± 0.30	13.20 ± 0.20	14.60 ± 0.20	3.70 ± 0.15
1240系列	16.00 ± 0.10	24.00 ± 0.30	13.20 ± 0.20	14.60 ± 0.20	5.20 ± 0.15
1250系列	16.00 ± 0.10	24.00 ± 0.30	13.20 ± 0.20	14.60 ± 0.20	5.20 ± 0.15
1260系列	16.00 ± 0.10	24.00 ± 0.30	13.20 ± 0.20	14.60 ± 0.20	6.80 ± 0.15
1265系列	16.00 ± 0.10	24.00 ± 0.30	13.20 ± 0.20	14.60 ± 0.20	6.80 ± 0.15

Taping Drawings (UNIT:mm)



(2) Reel Dimensions (Unit: mm)



尺寸Size	A	B	C	D	G	N	T
JP-16	330	21	13	12	13	100	16
JP-20	330	21	13	16	17	100	20
JP-28	330	21	13	24	25	100	28

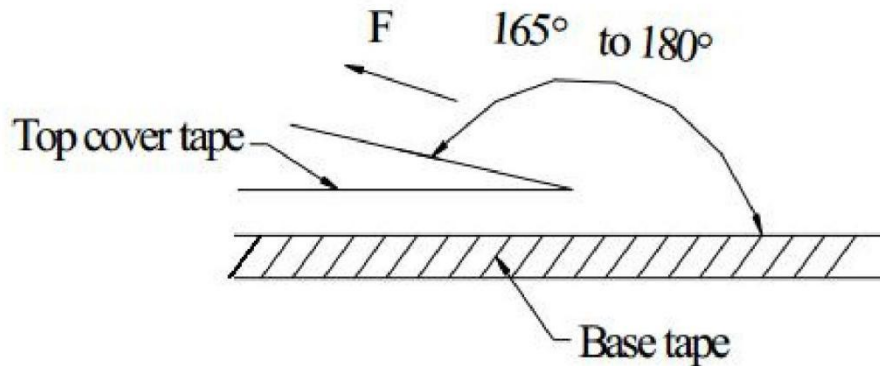
(3) Packaging Quantity

Type	Standard Quantity		
	Reel	Inner box	Carton box
0412-0420系列	3000	9000	27000
0515-0520系列	3000	9000	27000
0530-0540系列	2000	6000	18000
0615-0624系列	2000	6000	18000
0630-0650系列	1000	3000	9000
0658-0660系列	800	2400	7200
0820-0850系列	1000	2000	6000
0860系列	800	1600	4800
1020- 1040系列	1000	2000	6000
1045- 1050系列	800	1600	4800
1060- 1080系列	400	800	2400
1175系列	800	1600	4800
1230- 1265系列	500	1000	3000

(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



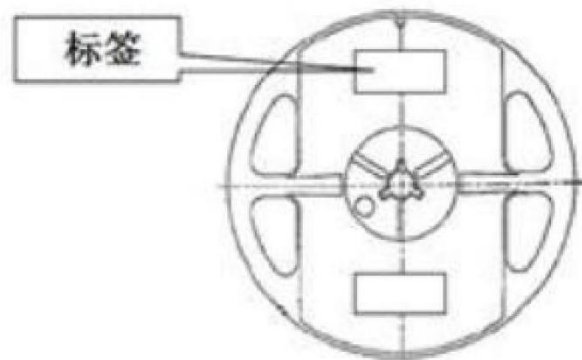
(5) Reel Label

Label on the reel

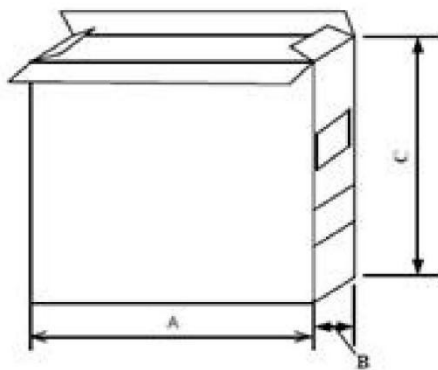
- Customer's part Number
- Lot Number
- Quantity
- date code

Shipping Label

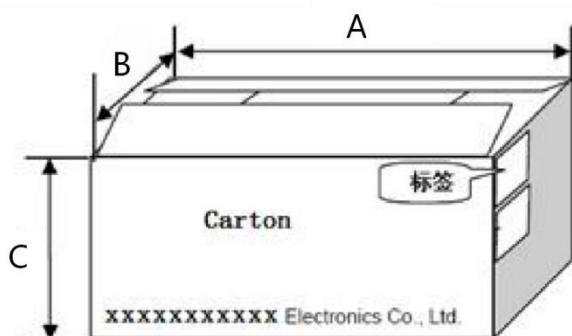
- Customer's part Number
- Manufacturer's part Number
- Quantity
- date code



(6) Inner Box



Roll diameter	A (mm)	B (mm)	C (mm)
13''*12mm 13''*24mm	340	340	68
13''*16mm	340	340	68
13''*32mm	340	340	85



Roll diameter	A (mm)	B (mm)	C (mm)
13''*12mm 13''*24mm	365	365	225
13''*16mm	365	365	245
13''*32mm	365	365	195