

# 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

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## 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 |

## 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
- 4.75 x 4.45 x 1.2mm maximum surface mount package
- 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

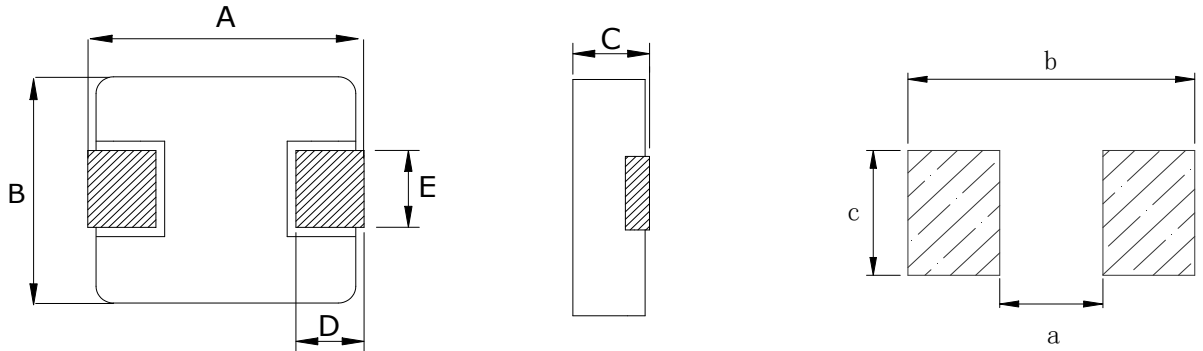
FXL      0420      -1R5    -    M          
①            ②            ③            ④            ⑤

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

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 typ | b typ | c typ |
|---------|------------|----------|----------|---------|-------------|-------|-------|-------|
| FXL0412 | 4.4±0.35   | 4.2±0.25 | 1.0±0.2  | 0.8±0.3 | 2.0±0.3     | 2.2   | 5.2   | 2.5   |
| FXL0420 | 4.4±0.35   | 4.2±0.25 | 1.8±0.2  | 0.8±0.3 | 2.0±0.3     | 2.2   | 5.2   | 2.5   |
| FXL0518 | 5.4±0.35   | 5.2±0.2  | 1.6±0.2  | 1.2±0.2 | 2.2±0.3     | 2.2   | 6     | 2.5   |
| FXL0530 | 5.4±0.35   | 5.2±0.2  | 2.8±0.2  | 1.2±0.2 | 2.2±0.3     | 2.2   | 6     | 2.5   |
| FXL0615 | 7.0±0.3    | 6.6±0.2  | 1.3±0.2  | 1.6±0.3 | 3.0±0.3     | 3.7   | 8.4   | 3.5   |
| FXL0618 | 7.0±0.3    | 6.6±0.2  | 1.6±0.2  | 1.6±0.3 | 3.0±0.3     | 3.7   | 8.4   | 3.5   |
| FXL0624 | 7.0±0.3    | 6.6±0.2  | 2.2±0.2  | 1.6±0.3 | 3.0±0.3     | 3.7   | 8.4   | 3.5   |
| FXL0630 | 7.0±0.3    | 6.6±0.2  | 2.8±0.2  | 1.6±0.3 | 3.0±0.3     | 3.7   | 8.4   | 3.5   |
| FXL0640 | 7.0±0.3    | 6.6±0.2  | 3.8±0.2  | 1.6±0.3 | 3.0±0.3     | 3.7   | 8.4   | 3.5   |
| FXL0650 | 7.0±0.3    | 6.6±0.2  | 4.8±0.2  | 1.6±0.3 | 3.0±0.3     | 3.7   | 8.4   | 3.5   |
| FXL0840 | 8.8±0.4    | 8.2±0.3  | 3.8±0.2  | 1.4±0.3 | 3.0±0.3     | 4     | 9.5   | 5.5   |
| FXL1030 | 11.5MAX    | 10.0±0.3 | 2.8±0.2  | 2.0±0.5 | 3.0±0.5     | 5.4   | 13.6  | 4.1   |
| FXL1040 | 11.5MAX    | 10.0±0.3 | 3.8±0.2  | 2.0±0.5 | 3.0±0.5     | 5.4   | 13.6  | 4.1   |
| FXL1050 | 11.5MAX    | 10.0±0.3 | 4.8±0.2  | 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 | 4.8±0.2  | 2.0±0.5 | See remarks | 8     | 14.5  | 5.5   |
| FXL1360 | 13.45±0.35 | 12.6±0.3 | 5.8±0.2  | 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 | 5.0±0.3     | 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 | 12.6±0.4 | 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±0.3  | 3R3/4R7/6R8/8R2/100/150/220/330/470                         |
| FXL1360 | 3.85±0.5 | 1R0/2R2                                                     |
|         | 5.0±0.3  | 4R7/5R6/6R8/8R2/100/150/180/220/270/330/470/680/101/121/151 |

## Marking

The inductor is marked with a 3-digit code

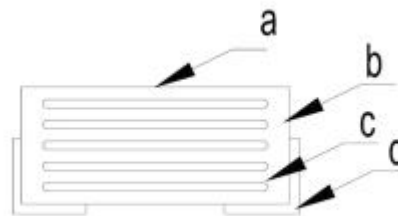
| Nominal Inductance |               |
|--------------------|---------------|
| Example            | Nominal Value |
| 1R0                | 1.0 $\mu$ H   |
| 100                | 10 $\mu$ H    |
| 101                | 100 $\mu$ H   |

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

FXL0412-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)               |
|               | ±20 %, 100 kHz, 1V | MAX.          | MAX                | TYP.               | MAX                    | TYP.                   |
| FXL0412-R15-M | 0.15               | 9             | 12                 | 15                 | 6.8                    | 7.5                    |
| FXL0412-R22-M | 0.22               | 11            | 8.8                | 11                 | 6.5                    | 7                      |
| FXL0412-R33-M | 0.33               | 19            | 6.7                | 8.4                | 5.7                    | 6.5                    |
| FXL0412-R47-M | 0.47               | 21            | 5.4                | 6.8                | 5.2                    | 6                      |
| FXL0412-R68-M | 0.68               | 36            | 4.8                | 6                  | 4.2                    | 4.7                    |
| FXL0412-1R0-M | 1.0                | 47            | 4.4                | 5.5                | 3.8                    | 4.5                    |
| FXL0412-1R5-M | 1.5                | 75            | 3.2                | 4                  | 2.7                    | 3.25                   |
| FXL0412-2R2-M | 2.2                | 83.5          | 2.4                | 3.5                | 2.2                    | 2.75                   |
| FXL0412-3R3-M | 3.3                | 165           | 2.38               | 3                  | 1.77                   | 2                      |
| FXL0412-4R7-M | 4.7                | 195           | 1.80               | 2.8                | 1.45                   | 1.8                    |

FXL0420-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)               |
|                 | ±20 %, 100 kHz, 1V | MAX.          | MAX                | TYP.               | MAX                    | TYP.                   |
| FXL0420-R10-M   | 0.1                | 4             | 17.6               | 22                 | 11.2                   | 13                     |
| FXL0420-R10-MY1 | 0.1                | 3.8           | 20                 | 26                 | 11.2                   | 13                     |
| FXL0420-R22-M   | 0.22               | 6.6           | 10                 | 12.5               | 8.2                    | 9.5                    |
| FXL0420-R22-MA1 | 0.22               | 6.6           | 13                 | 16                 | 8.2                    | 9.5                    |
| FXL0420-R33-M   | 0.33               | 11            | 9.6                | 12                 | 8.6                    | 10                     |
| FXL0420-R47-M   | 0.47               | 14            | 7.6                | 9.5                | 6.65                   | 7.5                    |
| FXL0420-R47-MA1 | 0.47               | 14            | 9.5                | 12                 | 6.65                   | 7.5                    |
| FXL0420-R56-M   | 0.56               | 16            | 7.2                | 10                 | 6.1                    | 7                      |
| FXL0420-R56-MY1 | 0.56               | 12.5          | 9                  | 11.5               | 6.1                    | 7                      |
| FXL0420-R68-M   | 0.68               | 18            | 6.4                | 9                  | 6.15                   | 7                      |
| FXL0420-R68-MY1 | 0.68               | 16            | 8.5                | 11                 | 6.15                   | 7                      |
| FXL0420-1R0-M   | 1.0                | 27            | 5.6                | 7                  | 5.4                    | 6                      |
| FXL0420-1R0-MA1 | 1.0                | 27            | 6.5                | 9                  | 5.4                    | 6                      |
| FXL0420-1R2-M   | 1.2                | 27            | 5.2                | 7                  | 5.4                    | 6                      |
| FXL0420-1R5-M   | 1.5                | 46            | 4.4                | 6                  | 4.3                    | 5                      |
| FXL0420-1R5-MY1 | 1.5                | 44            | 5.0                | 7                  | 4.3                    | 5                      |
| FXL0420-2R2-M   | 2.2                | 58            | 4.0                | 5                  | 3.8                    | 4.5                    |
| FXL0420-2R2-MY1 | 2.2                | 52            | 4.5                | 6                  | 3.8                    | 4.5                    |
| FXL0420-3R3-M   | 3.3                | 87            | 2.8                | 4                  | 2.8                    | 3.3                    |
| FXL0420-3R3-MY1 | 3.3                | 82            | 3.2                | 4.2                | 2.8                    | 3.3                    |
| FXL0420-4R7-M   | 4.7                | 105           | 2.4                | 3                  | 2.2                    | 2.8                    |
| FXL0420-6R8-M   | 6.8                | 175           | 2.0                | 2.5                | 1.9                    | 2.4                    |
| FXL0420-6R8-MR1 | 6.8                | 160           | 2.0                | 2.5                | 1.9                    | 2.4                    |
| FXL0420-100-M   | 10                 | 282           | 1.6                | 2.2                | 1.3                    | 1.6                    |
| FXL0420-100-MY1 | 10                 | 235           | 1.8                | 2.5                | 1.3                    | 1.6                    |
| FXL0420-220-M   | 22                 | 363           | 1.12               | 1.4                | 0.9                    | 1.2                    |

## FXL0518-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)               |
|               | ±20 %, 100 kHz, 1V | MAX.          | MAX                | TYP.               | MAX                    | TYP.                   |
| FXL0518-R47-M | 0.47               | 9             | 9.6                | 15.5               | 9.5                    | 10.5                   |
| FXL0518-R56-M | 0.56               | 10            | 8.8                | 15                 | 8.2                    | 9.5                    |
| FXL0518-R68-M | 0.68               | 13.8          | 9.3                | 11.2               | 7.7                    | 8.9                    |
| FXL0518-1R0-M | 1.0                | 17            | 7.2                | 9                  | 7.2                    | 8                      |
| FXL0518-1R5-M | 1.5                | 26            | 6.4                | 9                  | 6.6                    | 7.5                    |
| FXL0518-2R2-M | 2.2                | 35            | 4.8                | 6.5                | 4.2                    | 5                      |
| FXL0518-3R3-M | 3.3                | 58            | 3.84               | 5                  | 3.8                    | 4.5                    |
| FXL0518-4R7-M | 4.7                | 85            | 3.2                | 4                  | 3.0                    | 3.5                    |
| FXL0518-6R8-M | 6.8                | 120           | 2.72               | 3.4                | 2.4                    | 2.8                    |
| FXL0518-100-M | 10                 | 155           | 2                  | 3                  | 2.2                    | 2.5                    |



FXL0530-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)               |
|                 | ±20 %, 100 kHz, 1V | MAX.          | MAX                | TYP.               | MAX                    | TYP.                   |
| FXL0530-R10-M   | 0.10               | 3             | 24                 | 33                 | 23                     | 25                     |
| FXL0530-R10-MA1 | 0.10               | 3             | 26                 | 35                 | 23                     | 25                     |
| FXL0530-R20-M   | 0.20               | 3.9           | 11.6               | 14.5               | 13                     | 14                     |
| FXL0530-R33-M   | 0.33               | 5.5           | 14.4               | 18                 | 13.1                   | 14                     |
| FXL0530-R47-M   | 0.47               | 8.5           | 9.6                | 12                 | 10                     | 11                     |
| FXL0530-R47-MY1 | 0.47               | 7             | 12                 | 16                 | 10                     | 11                     |
| FXL0530-R68-M   | 0.68               | 12            | 9.2                | 11.5               | 8.2                    | 9.0                    |
| FXL0530-R68-MA1 | 0.68               | 12            | 10.5               | 13                 | 8.2                    | 9.0                    |
| FXL0530-1R0-M   | 1.0                | 14            | 8                  | 11                 | 7.8                    | 8.5                    |
| FXL0530-1R2-M   | 1.2                | 16            | 7.6                | 11                 | 7.85                   | 8.5                    |
| FXL0530-1R2-MR1 | 1.2                | 14            | 7.6                | 11                 | 7.85                   | 8.5                    |
| FXL0530-1R5-M   | 1.5                | 25            | 7.2                | 8.5                | 7.6                    | 8.2                    |
| FXL0530-1R5-MR1 | 1.5                | 22            | 7.2                | 8.5                | 7.6                    | 8.2                    |
| FXL0530-2R2-M   | 2.2                | 29            | 5.6                | 7.5                | 6.4                    | 7.0                    |
| FXL0530-2R2-MA1 | 2.2                | 29            | 6.5                | 8                  | 6.4                    | 7.0                    |
| FXL0530-3R3-M   | 3.3                | 38            | 4.8                | 6.0                | 5                      | 5.5                    |
| FXL0530-4R7-M   | 4.7                | 60            | 3.68               | 5                  | 4                      | 4.5                    |
| FXL0530-4R7-MA1 | 4.7                | 60            | 4.5                | 5.5                | 4                      | 4.5                    |
| FXL0530-5R6-M   | 5.6                | 75            | 3.3                | 4.5                | 3.2                    | 4.0                    |
| FXL0530-6R8-M   | 6.8                | 90            | 2.88               | 4                  | 2.9                    | 3.5                    |
| FXL0530-6R8-MR1 | 6.8                | 80            | 2.88               | 4                  | 2.9                    | 3.5                    |
| FXL0530-100-M   | 10                 | 125           | 2.8                | 3.5                | 2.8                    | 3.2                    |
| FXL0530-150-M   | 15                 | 180           | 2.0                | 2.2                | 1.6                    | 1.7                    |
| FXL0530-220-M   | 22                 | 248           | 2.0                | 2.3                | 1.5                    | 1.7                    |

## FXL0615-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)               |
|               | ±20 %, 100 kHz, 1V | MAX.          | MAX                | TYP.               | MAX                    | TYP.                   |
| FXL0615-R47-M | 0.47               | 8.5           | 14.16              | 16                 | 8.85                   | 10                     |
| FXL0615-R56-M | 0.56               | 11            | 12.38              | 14                 | 7.96                   | 9                      |
| FXL0615-R68-M | 0.68               | 12            | 10.62              | 12                 | 7.52                   | 8.5                    |
| FXL0615-R82-M | 0.82               | 17            | 8.85               | 10                 | 7.08                   | 8                      |
| FXL0615-1R0-M | 1.0                | 21            | 7.96               | 9                  | 5.3                    | 6                      |
| FXL0615-1R5-M | 1.5                | 45            | 6.2                | 7                  | 3.4                    | 4                      |
| FXL0615-2R2-M | 2.2                | 54            | 6.19               | 7                  | 3.36                   | 3.8                    |
| FXL0615-3R3-M | 3.3                | 63            | 4.87               | 5.5                | 3.1                    | 3.5                    |
| FXL0615-4R7-M | 4.7                | 85            | 4.42               | 5                  | 2.83                   | 3.2                    |
| FXL0615-6R8-M | 6.8                | 135           | 3.54               | 4                  | 2.21                   | 2.5                    |
| FXL0615-100-M | 10                 | 175           | 2.65               | 3                  | 1.77                   | 2                      |

## FXL0618-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)               |
|                 | ±20 %, 100 kHz, 1V | MAX.          | MAX                | TYP.               | MAX                    | TYP.                   |
| FXL0618-R10-M   | 0.1                | 2.3           | 30.4               | 38                 | 23                     | 25                     |
| FXL0618-R22-M   | 0.22               | 3.5           | 19.2               | 24                 | 20                     | 22                     |
| FXL0618-R47-M   | 0.47               | 8.4           | 16.0               | 18                 | 10                     | 11.5                   |
| FXL0618-R68-M   | 0.68               | 12            | 13.2               | 17                 | 8.4                    | 9.5                    |
| FXL0618-1R0-M   | 1.0                | 16            | 9.6                | 14                 | 7.6                    | 8.5                    |
| FXL0618-1R5-M   | 1.5                | 26            | 7.36               | 12                 | 7.1                    | 8.0                    |
| FXL0618-2R2-M   | 2.2                | 35            | 6.4                | 8                  | 6.2                    | 7                      |
| FXL0618-3R3-M   | 3.3                | 50            | 4.8                | 6.5                | 3.8                    | 4.5                    |
| FXL0618-4R7-M   | 4.7                | 62            | 4.0                | 5                  | 3.5                    | 4                      |
| FXL0618-6R8-M   | 6.8                | 110           | 3.6                | 4.5                | 2.4                    | 3.0                    |
| FXL0618-100-M   | 10                 | 155           | 3.2                | 4                  | 1.95                   | 2.3                    |
| FXL0618-100-MR1 | 10                 | 135           | 3.2                | 4                  | 1.95                   | 2.3                    |
| FXL0618-220-M   | 22                 | 350           | 1.84               | 2.3                | 1.4                    | 1.8                    |

FXL0624-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)               |
|               | ±20 %, 100 kHz, 1V | MAX.          | MAX                | TYP.               | MAX                    | TYP.                   |
| FXL0624-R22-M | 0.22               | 3             | 24                 | 34                 | 19                     | 21                     |
| FXL0624-R33-M | 0.33               | 4.1           | 19.6               | 24.5               | 16                     | 18                     |
| FXL0624-R47-M | 0.47               | 5.1           | 16                 | 22                 | 13.5                   | 15                     |
| FXL0624-R56-M | 0.56               | 6.5           | 13.6               | 17                 | 11.5                   | 13                     |
| FXL0624-R68-M | 0.68               | 7             | 12.8               | 16                 | 10.5                   | 12                     |
| FXL0624-1R0-M | 1.0                | 13.5          | 12.0               | 16                 | 8                      | 9                      |
| FXL0624-1R5-M | 1.5                | 20            | 10.8               | 15                 | 7                      | 9                      |
| FXL0624-2R2-M | 2.2                | 28            | 8                  | 10                 | 6.2                    | 7                      |
| FXL0624-3R3-M | 3.3                | 39            | 6.4                | 8                  | 4.8                    | 5.5                    |
| FXL0624-4R7-M | 4.7                | 50            | 5.2                | 7.5                | 4.3                    | 5                      |
| FXL0624-6R8-M | 6.8                | 70            | 4.8                | 6                  | 3.2                    | 4                      |
| FXL0624-100-M | 10                 | 101           | 3.2                | 4                  | 2.4                    | 3.1                    |
| FXL0624-150-M | 15                 | 160           | 2.64               | 3.3                | 2.0                    | 2.5                    |
| FXL0624-220-M | 22                 | 230           | 2.0                | 2.5                | 1.6                    | 2                      |

FXL0630-XXX series

| Part No.        | Inductance         | DC Resistance | Saturation Current |     | Heating Rating Current |      |
|-----------------|--------------------|---------------|--------------------|-----|------------------------|------|
|                 | L0 (μH)            | DCR (mΩ)      | Isat (A)           |     | Irms (A)               |      |
|                 | ±20 %, 100 kHz, 1V | MAX.          | Max                | Typ | Max                    | Typ  |
| FXL0630-R10-M   | 0.1                | 1.2           | 48                 | 60  | 35                     | 40   |
| FXL0630-R15-M   | 0.15               | 2.4           | 35                 | 41  | 25                     | 30   |
| FXL0630-R22-M   | 0.22               | 3             | 32                 | 34  | 21                     | 24   |
| FXL0630-R22-MR1 | 0.22               | 2.5           | 32                 | 34  | 21                     | 24   |
| FXL0630-R24-M   | 0.24               | 3.1           | 22.4               | 28  | 18.4                   | 23   |
| FXL0630-R33-M   | 0.33               | 3.5           | 22                 | 25  | 20                     | 21   |
| FXL0630-R33-MA1 | 0.33               | 3.5           | 24                 | 28  | 20                     | 21   |
| FXL0630-R47-M   | 0.47               | 4.1           | 18                 | 20  | 16                     | 18   |
| FXL0630-R47-MA1 | 0.47               | 4.1           | 20                 | 23  | 16                     | 18   |
| FXL0630-R56-M   | 0.56               | 4.5           | 16                 | 18  | 15                     | 16.5 |
| FXL0630-R56-MA1 | 0.56               | 4.5           | 18                 | 20  | 15                     | 16.5 |
| FXL0630-R68-M   | 0.68               | 5.3           | 15                 | 17  | 14.5                   | 16   |
| FXL0630-R82-M   | 0.82               | 6.0           | 14                 | 16  | 13                     | 14   |
| FXL0630-R82-MR1 | 0.82               | 5.6           | 14                 | 16  | 13                     | 14   |
| FXL0630-1R0-M   | 1.0                | 7.4           | 13.5               | 15  | 11.2                   | 12   |
| FXL0630-1R5-M   | 1.5                | 12.1          | 12                 | 14  | 9.5                    | 12   |
| FXL0630-2R2-M   | 2.2                | 15            | 10.5               | 12  | 8.5                    | 9.5  |
| FXL0630-2R7-M   | 2.7                | 20            | 9                  | 10  | 8.2                    | 8.8  |
| FXL0630-3R3-M   | 3.3                | 22            | 8.7                | 9.5 | 8                      | 8.5  |
| FXL0630-4R7-M   | 4.7                | 33            | 7.5                | 9   | 5.5                    | 6    |
| FXL0630-5R6-M   | 5.6                | 42            | 5.5                | 6.5 | 5                      | 5.5  |
| FXL0630-6R8-M   | 6.8                | 48            | 5.2                | 6   | 4.5                    | 5    |
| FXL0630-8R2-M   | 8.2                | 60            | 5                  | 5.5 | 4                      | 5    |
| FXL0630-100-M   | 10                 | 68            | 4.9                | 5.5 | 3.8                    | 4.5  |
| FXL0630-150-M   | 15                 | 115           | 3.5                | 4.0 | 2.6                    | 3    |
| FXL0630-220-M   | 22                 | 200           | 2.5                | 3   | 2.2                    | 2.5  |
| FXL0630-220-MR1 | 22                 | 175           | 2.5                | 3   | 2.2                    | 2.5  |
| FXL0630-330-M   | 33                 | 310           | 2.1                | 2.5 | 1.8                    | 2    |
| FXL0630-330-MR1 | 33                 | 230           | 2.1                | 2.5 | 1.8                    | 2    |
| FXL0630-470-M   | 47                 | 385           | 1.8                | 2   | 1.3                    | 1.5  |

FXL0640-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)               |
|                 | ±20 %, 100 kHz, 1V | MAX.          | MAX                | TYP.               | MAX                    | TYP.                   |
| FXL0640-R15-M   | 0.15               | 1.0           | 45                 | 50                 | 36                     | 40                     |
| FXL0640-R22-M   | 0.22               | 1.1           | 28                 | 35                 | 32                     | 35                     |
| FXL0640-R68-M   | 0.68               | 4.8           | 17                 | 19                 | 16                     | 17                     |
| FXL0640-1R0-M   | 1.0                | 6.6           | 15                 | 16                 | 12.5                   | 13.5                   |
| FXL0640-1R5-M   | 1.5                | 10            | 12                 | 12.5               | 11                     | 12.4                   |
| FXL0640-2R2-M   | 2.2                | 14            | 10                 | 11                 | 8.5                    | 10                     |
| FXL0640-2R2-MR1 | 2.2                | 12            | 10                 | 11                 | 8.5                    | 10                     |
| FXL0640-3R3-M   | 3.3                | 20            | 8.7                | 9.5                | 7.8                    | 8.5                    |
| FXL0640-4R7-M   | 4.7                | 30            | 8                  | 9                  | 6                      | 6.5                    |
| FXL0640-4R7-MR1 | 4.7                | 25.5          | 8                  | 9                  | 6                      | 6.5                    |
| FXL0640-6R8-M   | 6.8                | 45            | 6                  | 6.5                | 5                      | 5.5                    |
| FXL0640-6R8-MR1 | 6.8                | 40            | 6                  | 6.5                | 5                      | 5.5                    |
| FXL0640-8R2-M   | 8.2                | 55            | 5.0                | 6                  | 4.2                    | 5.2                    |
| FXL0640-100-M   | 10                 | 65            | 5                  | 6                  | 4                      | 4.8                    |
| FXL0640-100-MR1 | 10                 | 55            | 5                  | 6                  | 4                      | 4.8                    |
| FXL0640-150-M   | 15                 | 95            | 4                  | 4.5                | 3.2                    | 3.7                    |
| FXL0640-150-MR1 | 15                 | 78            | 4                  | 4.5                | 3.2                    | 3.7                    |
| FXL0640-220-M   | 22                 | 125           | 3.5                | 4                  | 3                      | 3.3                    |
| FXL0640-330-M   | 33                 | 240           | 2.5                | 3                  | 2                      | 2.2                    |
| FXL0640-470-M   | 47                 | 320           | 2                  | 2.5                | 1.6                    | 1.8                    |

FXL0650-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)               |
|                 | ±20 %, 100 kHz, 1V | MAX.          | MAX                | TYP.               | MAX                    | TYP.                   |
| FXL0650-R47-M   | 0.47               | 3.9           | 16.8               | 21                 | 17.0                   | 20                     |
| FXL0650-R68-M   | 0.68               | 4.5           | 14.4               | 18                 | 14.5                   | 16.5                   |
| FXL0650-1R0-M   | 1.0                | 6.6           | 12.8               | 16                 | 10                     | 12                     |
| FXL0650-1R5-M   | 1.5                | 10            | 10.4               | 13                 | 8.2                    | 9.5                    |
| FXL0650-1R5-MR1 | 1.5                | 9             | 10.4               | 13                 | 8.2                    | 9.5                    |
| FXL0650-2R2-M   | 2.2                | 12.5          | 8.8                | 11                 | 8.0                    | 9                      |
| FXL0650-2R2-MR1 | 2.2                | 11            | 8.8                | 11                 | 8.0                    | 9                      |
| FXL0650-3R3-M   | 3.3                | 22            | 8.0                | 10                 | 7.6                    | 8.5                    |
| FXL0650-4R7-M   | 4.7                | 29            | 6.4                | 8                  | 5                      | 6                      |
| FXL0650-4R7-MR1 | 4.7                | 27            | 6.4                | 8                  | 5                      | 6                      |
| FXL0650-6R8-M   | 6.8                | 41            | 5.04               | 6.3                | 4                      | 5.8                    |
| FXL0650-8R2-M   | 8.2                | 48            | 4.4                | 5.5                | 4.8                    | 5.5                    |
| FXL0650-8R2-MY1 | 8.2                | 38            | 6                  | 7                  | 4.8                    | 5.5                    |
| FXL0650-100-M   | 10                 | 60            | 4.24               | 5.3                | 3.8                    | 4.5                    |
| FXL0650-100-MY1 | 10                 | 55            | 5.5                | 6.5                | 3.8                    | 4.5                    |
| FXL0650-150-M   | 15                 | 90            | 3.2                | 4                  | 2.6                    | 3.1                    |
| FXL0650-150-MR1 | 15                 | 82            | 3.2                | 4                  | 2.6                    | 3.1                    |
| FXL0650-220-M   | 22                 | 140           | 2.8                | 3.5                | 2                      | 2.6                    |
| FXL0650-330-M   | 33                 | 190           | 2.4                | 3.0                | 1.8                    | 2.3                    |
| FXL0650-470-M   | 47                 | 230           | 2.08               | 2.6                | 1.5                    | 2                      |

## FXL0840-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)               |
|               | ±20 %, 100 kHz, 1V | MAX.          | MAX                | TYP.               | MAX                    | TYP.                   |
| FXL0840-R22-M | 0.22               | 1.8           | 55                 | 60                 | 30                     | 36                     |
| FXL0840-R33-M | 0.33               | 2.4           | 40                 | 45                 | 25                     | 30                     |
| FXL0840-R47-M | 0.47               | 2.8           | 36                 | 42                 | 25                     | 28                     |
| FXL0840-R56-M | 0.56               | 3.2           | 23                 | 26                 | 22                     | 24                     |
| FXL0840-R68-M | 0.68               | 3.8           | 22                 | 24                 | 21                     | 23                     |
| FXL0840-R82-M | 0.82               | 4.4           | 19                 | 21                 | 19                     | 21                     |
| FXL0840-1R0-M | 1.0                | 4.62          | 17                 | 19                 | 17                     | 19                     |
| FXL0840-1R5-M | 1.5                | 7.6           | 15                 | 17                 | 15                     | 17                     |
| FXL0840-1R8-M | 1.8                | 11            | 13.5               | 15                 | 12.5                   | 15                     |
| FXL0840-2R2-M | 2.2                | 11.4          | 12                 | 14                 | 12                     | 14                     |
| FXL0840-3R3-M | 3.3                | 15            | 11                 | 12.5               | 10                     | 12                     |
| FXL0840-4R7-M | 4.7                | 26.5          | 10.5               | 11.5               | 8.5                    | 9.5                    |
| FXL0840-5R6-M | 5.6                | 30            | 10                 | 11                 | 8.0                    | 9                      |
| FXL0840-6R8-M | 6.8                | 36.8          | 8.0                | 9                  | 7.0                    | 8                      |
| FXL0840-8R2-M | 8.2                | 46            | 7.7                | 8.7                | 6.0                    | 7                      |
| FXL0840-100-M | 10.0               | 59            | 7.0                | 8                  | 5.5                    | 6.5                    |
| FXL0840-150-M | 15.0               | 71            | 4.9                | 5.5                | 4.8                    | 5.4                    |
| FXL0840-220-M | 22.0               | 113           | 4.5                | 5                  | 4.2                    | 4.8                    |
| FXL0840-330-M | 33.0               | 156           | 3.3                | 3.5                | 3.0                    | 3.5                    |
| FXL0840-470-M | 47.0               | 225           | 2.9                | 3.1                | 2.5                    | 2.9                    |



FXL1030-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)               |
|               | ±20 %, 100 kHz, 1V | MAX.          | MAX                | TYP.               | MAX                    | TYP.                   |
| FXL1030-R22-M | 0.22               | 1.2           | 44.24              | 50                 | 29.2                   | 33                     |
| FXL1030-R33-M | 0.33               | 1.6           | 28.3               | 32                 | 20.35                  | 23                     |
| FXL1030-R36-M | 0.36               | 1.6           | 24.8               | 28                 | 20.35                  | 23                     |
| FXL1030-R47-M | 0.47               | 2.5           | 23.0               | 26                 | 19.47                  | 22                     |
| FXL1030-R82-M | 0.82               | 3.7           | 20.35              | 23                 | 15.93                  | 18                     |
| FXL1030-1R0-M | 1.0                | 6             | 18.58              | 21                 | 13.27                  | 15                     |
| FXL1030-2R2-M | 2.2                | 9             | 12.38              | 14                 | 9.73                   | 11                     |
| FXL1030-3R3-M | 3.3                | 16            | 10.61              | 12                 | 7.96                   | 9                      |
| FXL1030-4R7-M | 4.7                | 24            | 8.84               | 10                 | 6.19                   | 7                      |
| FXL1030-8R2-M | 8.2                | 45            | 6.2                | 7                  | 4.42                   | 5                      |
| FXL1030-330-M | 33                 | 160           | 3.53               | 4                  | 2.3                    | 2.6                    |

FXL1040-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)               |
|               | ±20 %, 100 kHz, 1V | MAX.          | MAX                | TYP.               | MAX                    | TYP.                   |
| FXL1040-R15-M | 0.15               | 0.65          | 60                 | 75                 | 40                     | 45                     |
| FXL1040-R22-M | 0.22               | 1             | 48                 | 60                 | 30                     | 35                     |
| FXL1040-R30-M | 0.30               | 1.1           | 36                 | 50                 | 30                     | 35                     |
| FXL1040-R36-M | 0.36               | 1.2           | 36                 | 50                 | 25                     | 30                     |
| FXL1040-R47-M | 0.47               | 1.7           | 32                 | 40                 | 25                     | 30                     |
| FXL1040-R56-M | 0.56               | 1.8           | 26.4               | 33                 | 20                     | 25                     |
| FXL1040-R68-M | 0.68               | 2.4           | 24                 | 30                 | 19                     | 23                     |
| FXL1040-R80-M | 0.80               | 2.7           | 23.2               | 29                 | 19                     | 23                     |
| FXL1040-1R0-M | 1.0                | 3.3           | 22.4               | 28                 | 16                     | 19                     |
| FXL1040-1R5-M | 1.5                | 4.2           | 19.2               | 26                 | 14                     | 16                     |
| FXL1040-2R2-M | 2.2                | 7             | 13.2               | 18                 | 10                     | 12                     |
| FXL1040-3R3-M | 3.3                | 11.8          | 12.8               | 16                 | 9.5                    | 11                     |
| FXL1040-4R7-M | 4.7                | 20            | 10.4               | 15                 | 7.5                    | 9                      |
| FXL1040-5R6-M | 5.6                | 22            | 9.6                | 12                 | 6.8                    | 8.5                    |
| FXL1040-6R8-M | 6.8                | 25            | 9.6                | 12                 | 7                      | 8.5                    |
| FXL1040-8R2-M | 8.2                | 27            | 7.2                | 9                  | 6.8                    | 8                      |
| FXL1040-100-M | 10                 | 30            | 6.8                | 8.5                | 6.9                    | 7.8                    |
| FXL1040-150-M | 15                 | 45            | 5.6                | 7                  | 5.6                    | 6.5                    |
| FXL1040-220-M | 22                 | 66            | 4.4                | 5.5                | 4.2                    | 5                      |
| FXL1040-330-M | 33                 | 92            | 3.84               | 5                  | 3.8                    | 4.4                    |
| FXL1040-470-M | 47                 | 145           | 3.1                | 3.5                | 2.8                    | 3.3                    |
| FXL1040-560-M | 56                 | 185           | 2.5                | 3.2                | 2.2                    | 2.8                    |
| FXL1040-680-M | 68                 | 195           | 2.4                | 3                  | 2                      | 2.5                    |
| FXL1040-820-M | 82                 | 285           | 2.3                | 2.8                | 2.1                    | 2.3                    |
| FXL1040-101-M | 100                | 340           | 2.1                | 2.3                | 1.8                    | 2                      |

## FXL1050-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)               |
|               | ±20 %, 100 kHz, 1V | MAX.          | MAX                | TYP.               | MAX                    | TYP.                   |
| FXL1050-R22-M | 0.22               | 0.8           | 57.5               | 65                 | 32.5                   | 37                     |
| FXL1050-1R0-M | 1.0                | 3             | 28                 | 30                 | 20.3                   | 23                     |
| FXL1050-1R5-M | 1.5                | 3.8           | 22                 | 25                 | 18.5                   | 21                     |
| FXL1050-2R2-M | 2.2                | 6             | 16.8               | 19                 | 13.2                   | 15                     |
| FXL1050-3R3-M | 3.3                | 10            | 14                 | 16                 | 11.5                   | 13                     |
| FXL1050-4R7-M | 4.7                | 14            | 13.2               | 15                 | 9.7                    | 11                     |
| FXL1050-5R6-M | 5.6                | 17            | 12.3               | 14                 | 8.5                    | 9.5                    |
| FXL1050-6R8-M | 6.8                | 18.5          | 12.3               | 14                 | 8.0                    | 9                      |
| FXL1050-100-M | 10                 | 28            | 8.8                | 10                 | 7.0                    | 8                      |
| FXL1050-150-M | 15                 | 42            | 6.5                | 7.5                | 5.7                    | 6.5                    |
| FXL1050-220-M | 22                 | 50            | 5.3                | 6                  | 5.0                    | 5.5                    |
| FXL1050-330-M | 33                 | 86            | 4.6                | 5.2                | 4.2                    | 4.8                    |
| FXL1050-470-M | 47                 | 127           | 4.0                | 4.5                | 3.2                    | 3.7                    |
| FXL1050-680-M | 68                 | 180           | 2.8                | 3.5                | 2.4                    | 2.7                    |
| FXL1050-101-M | 100                | 290           | 2.5                | 2.8                | 1.8                    | 2.1                    |

FXL1340-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)               |
|               | ±20 %, 100 kHz, 1V | MAX.          | MAX                | TYP.               | MAX                    | TYP.                   |
| FXL1340-R22-M | 0.22               | 0.9           | 40                 | 50                 | 38                     | 42                     |
| FXL1340-R47-M | 0.47               | 2             | 38.4               | 48                 | 29                     | 33                     |
| FXL1340-R68-M | 0.68               | 3.5           | 37.6               | 47                 | 24                     | 28                     |
| FXL1340-R82-M | 0.82               | 4.5           | 32                 | 40                 | 24                     | 28                     |
| FXL1340-1R0-M | 1.0                | 7.5           | 28                 | 35                 | 20                     | 24                     |
| FXL1340-1R5-M | 1.5                | 9.5           | 24.4               | 30.5               | 17                     | 20                     |
| FXL1340-2R2-M | 2.2                | 11.5          | 20.8               | 26                 | 15                     | 18                     |
| FXL1340-3R3-M | 3.3                | 13            | 16.8               | 21                 | 13                     | 15                     |
| FXL1340-4R7-M | 4.7                | 14.5          | 14.4               | 18                 | 11                     | 13                     |
| FXL1340-6R8-M | 6.8                | 20            | 11.2               | 14                 | 8                      | 9                      |
| FXL1340-100-M | 10                 | 25            | 8                  | 10                 | 7                      | 8                      |
| FXL1340-150-M | 15                 | 39            | 6                  | 7.5                | 5.8                    | 6.5                    |
| FXL1340-220-M | 22                 | 51            | 4.8                | 6                  | 3.8                    | 4.5                    |

## FXL1350-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)               |
|               | ±20 %, 100 kHz, 1V | MAX.          | MAX                | TYP.               | MAX                    | TYP.                   |
| FXL1350-R22-M | 0.22               | 0.7           | 60                 | 75                 | 45                     | 50                     |
| FXL1350-R36-M | 0.36               | 0.85          | 40                 | 50                 | 37                     | 42                     |
| FXL1350-R50-M | 0.50               | 1.15          | 38.4               | 48                 | 33                     | 38                     |
| FXL1350-R68-M | 0.68               | 1.55          | 36.8               | 46                 | 29                     | 33                     |
| FXL1350-R82-M | 0.82               | 1.67          | 31.2               | 39                 | 26                     | 30                     |
| FXL1350-1R0-M | 1.0                | 2.2           | 28                 | 35                 | 22                     | 26                     |
| FXL1350-1R5-M | 1.5                | 3.2           | 26.4               | 33                 | 19                     | 23                     |
| FXL1350-2R2-M | 2.2                | 5             | 19.2               | 24                 | 13                     | 15                     |
| FXL1350-3R3-M | 3.3                | 7             | 17.6               | 22                 | 12                     | 14                     |
| FXL1350-4R7-M | 4.7                | 9             | 16                 | 21                 | 11                     | 13                     |
| FXL1350-6R8-M | 6.8                | 18            | 12.8               | 16                 | 10                     | 12                     |
| FXL1350-8R2-M | 8.2                | 20            | 11                 | 13                 | 8.2                    | 9.5                    |
| FXL1350-100-M | 10                 | 22            | 9.6                | 12                 | 8                      | 9                      |
| FXL1350-150-M | 15                 | 30            | 8                  | 10                 | 7                      | 8                      |
| FXL1350-220-M | 22                 | 58            | 5.2                | 6.5                | 3.8                    | 4.5                    |
| FXL1350-330-M | 33                 | 84            | 4.8                | 6                  | 2.8                    | 3.5                    |
| FXL1350-470-M | 47                 | 130           | 4.0                | 5                  | 2.6                    | 3                      |

FXL1360-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)               |
|                 | ±20 %, 100 kHz, 1V | MAX.          | MAX                | TYP.               | MAX                    | TYP.                   |
| FXL1360-1R0-M   | 1.0                | 2.3           | 28                 | 31                 | 24                     | 28                     |
| FXL1360-2R2-M   | 2.2                | 4.2           | 24                 | 28                 | 18                     | 22                     |
| FXL1360-2R2-MR1 | 2.2                | 3.6           | 24                 | 28                 | 18                     | 22                     |
| FXL1360-4R7-M   | 4.7                | 9             | 19.2               | 24                 | 12                     | 15                     |
| FXL1360-5R6-M   | 5.6                | 11            | 18                 | 22.5               | 11                     | 13                     |
| FXL1360-5R6-MR1 | 5.6                | 9.6           | 18                 | 22.5               | 11                     | 13                     |
| FXL1360-6R8-M   | 6.8                | 13.5          | 15.2               | 19                 | 10                     | 12                     |
| FXL1360-6R8-MR1 | 6.8                | 12            | 15.2               | 19                 | 10                     | 12                     |
| FXL1360-8R2-M   | 8.2                | 16            | 10.8               | 13.5               | 9                      | 11                     |
| FXL1360-8R2-MR1 | 8.2                | 14            | 10.8               | 13.5               | 9                      | 11                     |
| FXL1360-100-M   | 10                 | 20.7          | 11.1               | 12.5               | 8.5                    | 10                     |
| FXL1360-100-MY1 | 10                 | 16            | 12                 | 15                 | 8.5                    | 10                     |
| FXL1360-120-M   | 12                 | 23            | 8                  | 10                 | 5.8                    | 7                      |
| FXL1360-150-M   | 15                 | 29            | 7.2                | 9                  | 4.9                    | 6                      |
| FXL1360-180-M   | 18                 | 35            | 6.4                | 8                  | 4.3                    | 5                      |
| FXL1360-180-MR1 | 18                 | 33            | 6.4                | 8                  | 4.3                    | 5                      |
| FXL1360-220-M   | 22                 | 39.5          | 6                  | 7.5                | 4.15                   | 5                      |
| FXL1360-270-M   | 27                 | 56            | 5.2                | 6.5                | 3.3                    | 4                      |
| FXL1360-330-M   | 33                 | 75            | 4.8                | 6                  | 3.15                   | 4                      |
| FXL1360-330-MY1 | 33                 | 60            | 5.5                | 7.5                | 3.15                   | 4                      |
| FXL1360-470-M   | 47                 | 90            | 4.4                | 5.5                | 2.9                    | 3.5                    |
| FXL1360-470-MR1 | 47                 | 80            | 4.4                | 5.5                | 2.9                    | 3.5                    |
| FXL1360-680-M   | 68                 | 140           | 3.6                | 4.5                | 2.5                    | 3                      |
| FXL1360-101-M   | 100                | 200           | 2.8                | 3.5                | 2.1                    | 2.5                    |
| FXL1360-101-MY1 | 100                | 180           | 3.2                | 4.0                | 2.1                    | 2.5                    |
| FXL1360-121-M   | 120                | 235           | 2.56               | 3.2                | 1.7                    | 2                      |
| FXL1360-151-M   | 150                | 350           | 2.16               | 2.7                | 1.2                    | 1.5                    |
| FXL1360-151-MY1 | 150                | 230           | 2.2                | 3.0                | 1.2                    | 1.5                    |

FXL1365-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)               |
|                 | ±20 %, 100 kHz, 1V | MAX.          | MAX                | TYP.               | MAX                    | TYP.                   |
| FXL1365-2R2-M   | 2.2                | 4.2           | 22.4               | 28                 | 16.8                   | 21                     |
| FXL1365-4R7-M   | 4.7                | 8.5           | 20                 | 24                 | 13                     | 16                     |
| FXL1365-5R6-M   | 5.6                | 10.5          | 18                 | 22.5               | 12                     | 14                     |
| FXL1365-6R8-M   | 6.8                | 12            | 17                 | 19                 | 11                     | 13                     |
| FXL1365-8R2-M   | 8.2                | 14            | 14                 | 16                 | 9                      | 12                     |
| FXL1365-100-M   | 10                 | 16.5          | 13.5               | 15                 | 10                     | 11                     |
| FXL1365-150-M   | 15                 | 26            | 8                  | 11                 | 6.5                    | 9.5                    |
| FXL1365-220-M   | 22                 | 36            | 7                  | 9                  | 6                      | 8                      |
| FXL1365-330-M   | 33                 | 65            | 6                  | 8                  | 4.8                    | 6.5                    |
| FXL1365-330-MR1 | 33                 | 55            | 6                  | 8                  | 4.8                    | 6.5                    |
| FXL1365-470-M   | 47                 | 70            | 5                  | 6.8                | 4.5                    | 5.5                    |
| FXL1365-680-M   | 68                 | 120           | 4.8                | 5.2                | 4.0                    | 4.8                    |
| FXL1365-820-M   | 82                 | 135           | 4                  | 4.5                | 3.5                    | 4                      |
| FXL1365-101-M   | 100                | 170           | 3.2                | 4                  | 3                      | 3.5                    |

FXL1770-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)               |
|               | ±20 %, 100 kHz, 1V | MAX.          | MAX                | TYP.               | MAX                    | TYP.                   |
| FXL1770-2R2-M | 2.2                | 2.5           | 30                 | 34                 | 25.5                   | 29                     |
| FXL1770-3R3-M | 3.3                | 3.95          | 26                 | 30                 | 21                     | 24                     |
| FXL1770-4R7-M | 4.7                | 4.75          | 21                 | 24                 | 18.5                   | 21                     |
| FXL1770-6R8-M | 6.8                | 7.5           | 19.5               | 22                 | 15                     | 17                     |
| FXL1770-8R2-M | 8.2                | 8.7           | 17.5               | 20                 | 11.5                   | 13                     |
| FXL1770-100-M | 10                 | 9.9           | 16.5               | 19                 | 10.5                   | 12                     |
| FXL1770-150-M | 15                 | 17            | 12.5               | 14.5               | 9.5                    | 11                     |
| FXL1770-220-M | 22                 | 23            | 10                 | 11.5               | 7.5                    | 8.5                    |
| FXL1770-330-M | 33                 | 37            | 8.5                | 10                 | 7                      | 8                      |
| FXL1770-470-M | 47                 | 47            | 6.5                | 7.5                | 5.3                    | 6                      |
| FXL1770-680-M | 68                 | 85            | 5.5                | 6.5                | 4.5                    | 5.2                    |
| FXL1770-101-M | 100                | 130           | 4.4                | 5                  | 3.2                    | 3.7                    |



FXL2213-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)               |
|               | ±20 %, 100 kHz, 1V | MAX.          | MAX                | TYP.               | MAX                    | TYP.                   |
| FXL2213-1R0-M | 1.0                | 0.95          | 54                 | 60                 | 65                     | 70                     |
| FXL2213-1R5-M | 1.5                | 1.15          | 48                 | 52                 | 57                     | 62                     |
| FXL2213-2R2-M | 2.2                | 1.25          | 43                 | 48                 | 52                     | 58                     |
| FXL2213-3R3-M | 3.3                | 1.75          | 37                 | 41                 | 47                     | 49                     |
| FXL2213-4R7-M | 4.7                | 2.2           | 34                 | 38                 | 44                     | 47                     |
| FXL2213-6R8-M | 6.8                | 3.1           | 32                 | 36                 | 36                     | 40                     |
| FXL2213-100-M | 10                 | 4.15          | 20                 | 28                 | 30                     | 33                     |
| FXL2213-150-M | 15                 | 6.12          | 18                 | 23                 | 23                     | 26                     |
| FXL2213-220-M | 22                 | 11            | 14                 | 15                 | 18                     | 22                     |
| FXL2213-330-M | 33                 | 15.4          | 10.5               | 12                 | 16                     | 19                     |
| FXL2213-470-M | 47                 | 20.8          | 10                 | 12                 | 14                     | 17                     |
| FXL2213-680-M | 68                 | 29.5          | 9                  | 12                 | 12                     | 14                     |
| FXL2213-820-M | 82                 | 34.2          | 7.7                | 9                  | 10                     | 12                     |
| FXL2213-101-M | 100                | 40            | 7.5                | 9                  | 9.5                    | 11                     |

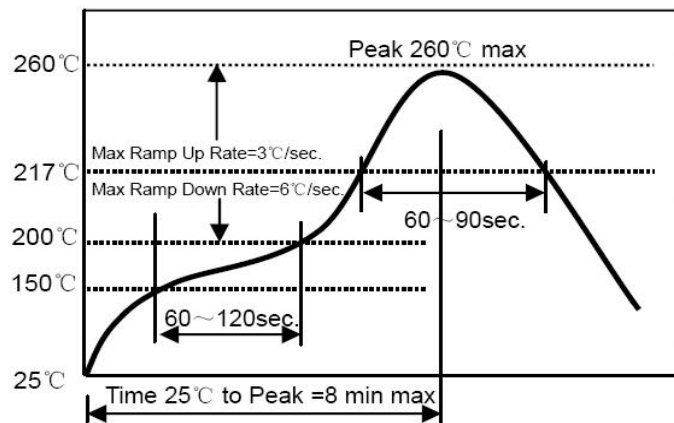
## Notes

1. All test data is referenced to 25 °C ambient
2. Operating temperature range - 55 °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 the temperature 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 FXL series inductors, absolute maximum voltage: DC 30V.

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

### (2)Iron Soldering Profile

Iron soldering power: Max. 30W

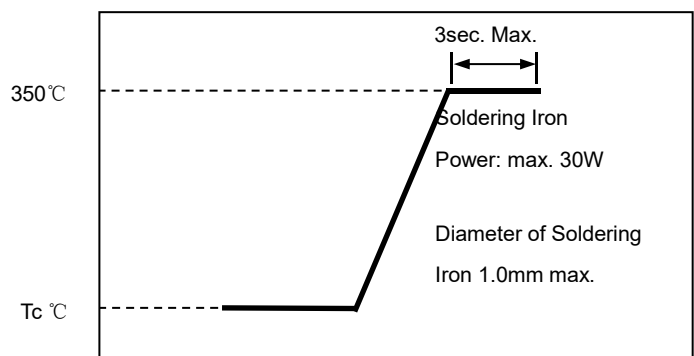
Pre-heating: 150°C/60sec.

Soldering Tip temperature: 350°C Max.

Soldering time: 3sec. Max.

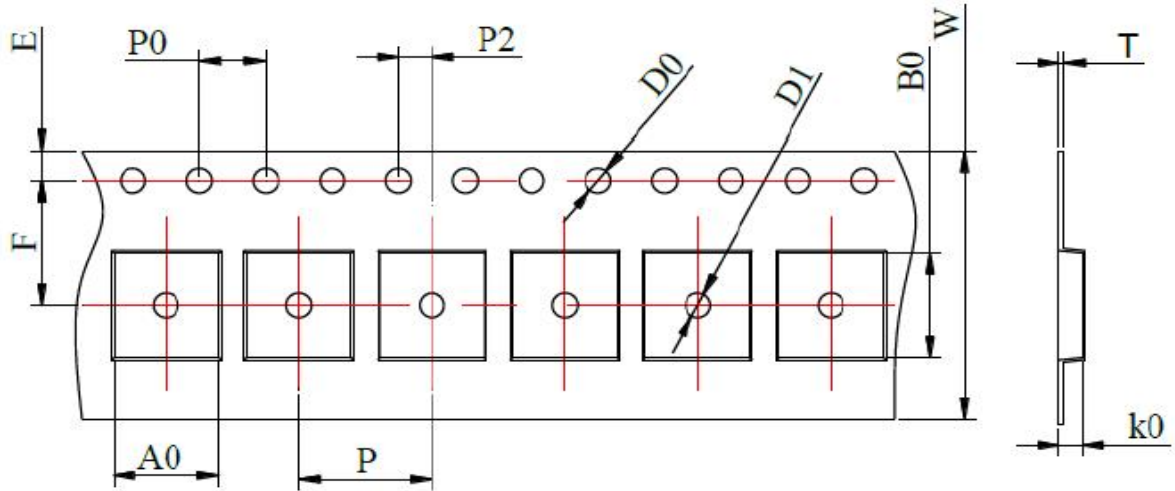
Solder paste: Sn/3.0Ag/0.5Cu

Max.1 times for iron soldering



## Packaging Information

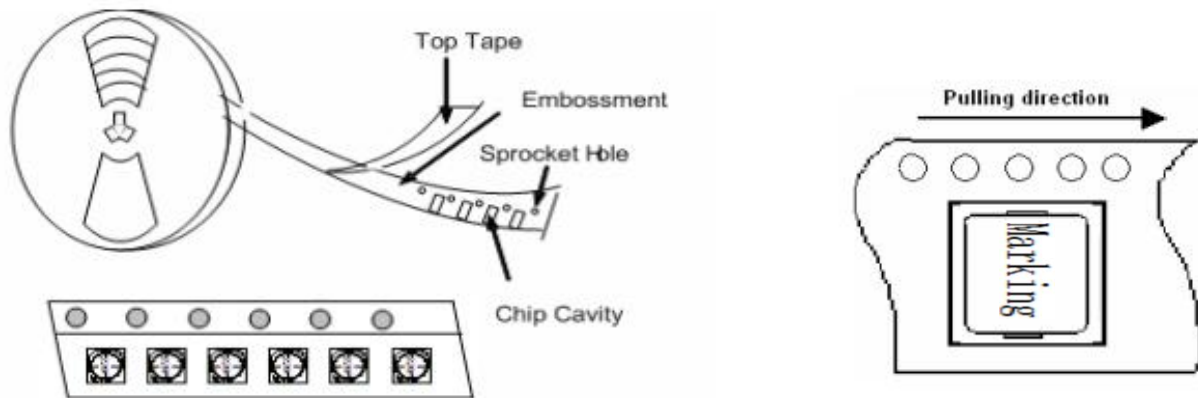
### (1) Tape Packaging Dimensions (Unit: mm)



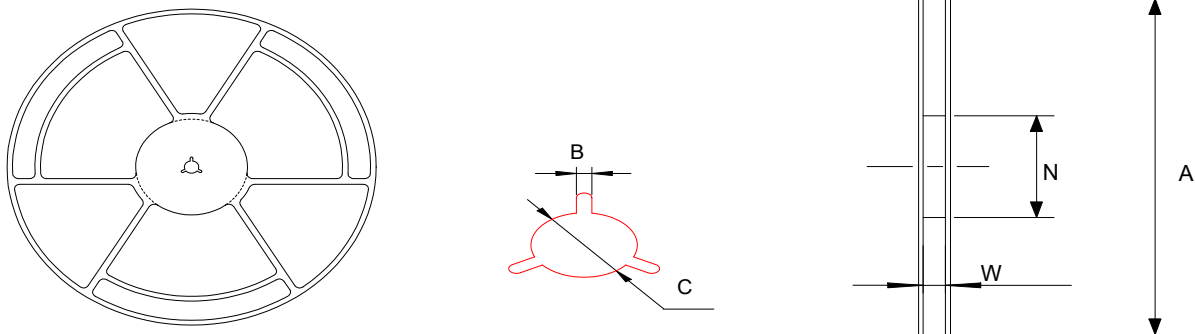
| Type    | Tape dimensions (mm) |            |             |             |              |              |               |              |              |              |              |              |
|---------|----------------------|------------|-------------|-------------|--------------|--------------|---------------|--------------|--------------|--------------|--------------|--------------|
|         | W                    | P          | P0          | P2          | D0           | D1           | T             | A0           | B0           | K0           | E            | F            |
| FXL0412 | 12<br>±0.3           | 8<br>±0.1  | 4<br>±0.1   | 2<br>±0.1   | 1.5<br>±0.1  | 1.5<br>±0.1  | 0.35<br>±0.05 | 4.5<br>±0.1  | 4.85<br>±0.1 | 1.5<br>±0.1  | 1.75<br>±0.1 | 5.5<br>±0.1  |
| FXL0420 | 12<br>±0.3           | 8<br>±0.1  | 4<br>±0.1   | 2<br>±0.1   | 1.5<br>±0.1  | 1.5<br>±0.1  | 0.35<br>±0.05 | 4.5<br>±0.1  | 4.85<br>±0.1 | 2.3<br>±0.1  | 1.75<br>±0.1 | 5.5<br>±0.1  |
| FXL0518 | 12<br>±0.3           | 8<br>±0.1  | 4<br>±0.1   | 2<br>±0.1   | 1.5<br>±0.1  | 1.5<br>±0.1  | 0.35<br>±0.05 | 5.5<br>±0.1  | 5.9<br>±0.1  | 2.0<br>±0.01 | 1.75<br>±0.1 | 5.5<br>±0.1  |
| FXL0530 | 12<br>±0.3           | 8<br>±0.1  | 4<br>±0.1   | 2<br>±0.1   | 1.5<br>±0.1  | 1.5<br>±0.1  | 0.35<br>±0.05 | 5.5<br>±0.1  | 5.9<br>±0.1  | 3.3<br>±0.1  | 1.75<br>±0.1 | 5.5<br>±0.1  |
| FXL0615 | 16<br>±0.3           | 12<br>±0.1 | 4<br>±0.1   | 2<br>±0.1   | 1.5<br>±0.1  | 1.5<br>±0.1  | 0.35<br>±0.05 | 6.9<br>±0.1  | 7.5<br>±0.1  | 1.7<br>±0.1  | 1.75<br>±0.1 | 7.5<br>±0.1  |
| FXL0618 | 16<br>±0.3           | 12<br>±0.1 | 4<br>±0.1   | 2<br>±0.1   | 1.5<br>±0.1  | 1.5<br>±0.1  | 0.35<br>±0.05 | 6.9<br>±0.1  | 7.5<br>±0.1  | 2.1<br>±0.1  | 1.75<br>±0.1 | 7.5<br>±0.1  |
| FXL0624 | 16<br>±0.3           | 12<br>±0.1 | 4<br>±0.1   | 2<br>±0.1   | 1.5<br>±0.1  | 1.5<br>±0.1  | 0.35<br>±0.05 | 6.9<br>±0.1  | 7.5<br>±0.1  | 2.7<br>±0.1  | 1.75<br>±0.1 | 7.5<br>±0.1  |
| FXL0630 | 16<br>±0.3           | 12<br>±0.1 | 4<br>±0.1   | 2<br>±0.1   | 1.5<br>±0.1  | 1.5<br>±0.1  | 0.35<br>±0.05 | 7.0<br>±0.1  | 7.7<br>±0.1  | 3.3<br>±0.1  | 1.75<br>±0.1 | 7.5<br>±0.1  |
| FXL0640 | 16<br>±0.3           | 12<br>±0.1 | 4<br>±0.1   | 2<br>±0.1   | 1.5<br>±0.1  | 1.5<br>±0.1  | 0.4<br>±0.05  | 6.9<br>±0.1  | 7.5<br>±0.1  | 4.3<br>±0.1  | 1.75<br>±0.1 | 7.5<br>±0.1  |
| FXL0650 | 16<br>±0.3           | 12<br>±0.1 | 4<br>±0.1   | 2<br>±0.1   | 1.5<br>±0.1  | 1.5<br>±0.1  | 0.4<br>±0.05  | 6.9<br>±0.1  | 7.5<br>±0.1  | 5.4<br>±0.1  | 1.75<br>±0.1 | 7.5<br>±0.1  |
| FXL0840 | 24<br>±0.3           | 16<br>±0.1 | 4<br>±0.1   | 2<br>±0.1   | 1.55±<br>0.1 | 1.55±<br>0.1 | 0.35<br>±0.05 | 8.9<br>±0.1  | 10.1<br>±0.1 | 4.4<br>±0.1  | 1.75<br>±0.1 | 11.5<br>±0.1 |
| FXL1030 | 24<br>±0.3           | 16<br>±0.1 | 4<br>±0.1   | 2<br>±0.05  | 1.5<br>±0.1  | 1.5<br>±0.1  | 0.35<br>±0.05 | 10.4<br>±0.1 | 11.6<br>±0.1 | 3.3<br>±0.1  | 1.75<br>±0.1 | 11.5<br>±0.1 |
| FXL1040 | 24<br>±0.3           | 16<br>±0.1 | 4<br>±0.1   | 2<br>±0.05  | 1.5<br>±0.1  | 1.5<br>±0.1  | 0.35<br>±0.05 | 10.4<br>±0.1 | 11.6<br>±0.1 | 4.3<br>±0.1  | 1.75<br>±0.1 | 11.5<br>±0.1 |
| FXL1050 | 24<br>±0.3           | 16<br>±0.1 | 4<br>±0.1   | 2<br>±0.05  | 1.5<br>±0.1  | 1.5<br>±0.1  | 0.4<br>±0.05  | 10.4<br>±0.1 | 11.6<br>±0.1 | 5.4<br>±0.1  | 1.75<br>±0.1 | 11.5<br>±0.1 |
| FXL1340 | 24<br>±0.3           | 16<br>±0.1 | 4.0<br>±0.1 | 2.0<br>±0.1 | 1.5<br>±0.1  | 1.5<br>±0.1  | 0.5<br>±0.05  | 13.1<br>±0.1 | 14<br>±0.1   | 4.3<br>±0.1  | 1.75<br>±0.1 | 11.5<br>±0.1 |

|         |            |            |             |             |             |              |              |              |              |              |              |              |
|---------|------------|------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| FXL1350 | 24<br>±0.3 | 16<br>±0.1 | 4.0<br>±0.1 | 2.0<br>±0.1 | 1.5<br>±0.1 | 1.5<br>±0.1  | 0.5<br>±0.05 | 13.1<br>±0.1 | 14<br>±0.1   | 5.4<br>±0.1  | 1.75<br>±0.1 | 11.5<br>±0.1 |
| FXL1360 | 24<br>±0.3 | 16<br>±0.1 | 4.0<br>±0.1 | 2.0<br>±0.1 | 1.5<br>±0.1 | 1.5<br>±0.1  | 0.5<br>±0.05 | 13.1<br>±0.1 | 14<br>±0.1   | 6.3<br>±0.1  | 1.75<br>±0.1 | 11.5<br>±0.1 |
| FXL1365 | 24<br>±0.3 | 16<br>±0.1 | 4.0<br>±0.1 | 2.0<br>±0.1 | 1.5<br>±0.1 | 1.5<br>±0.1  | 0.5<br>±0.05 | 13.1<br>±0.1 | 14<br>±0.1   | 6.8<br>±0.1  | 1.75<br>±0.1 | 11.5<br>±0.1 |
| FXL1770 | 32<br>±0.3 | 24<br>±0.1 | 4.0<br>±0.1 | 2.0<br>±0.1 | 1.5<br>±0.1 | 0.5<br>±0.05 | 17.5<br>±0.1 | 18.1<br>±0.1 | 7.3<br>±0.1  | 1.75<br>±0.1 | 14.2<br>±0.1 | 14.2<br>±0.1 |
| FXL2213 | 44<br>±0.3 | 32<br>±0.1 | 4.0<br>±0.1 | 2.0<br>±0.1 | 1.5<br>±0.1 | 0.5<br>±0.05 | 23<br>±0.1   | 24.4<br>±0.1 | 13.5<br>±0.1 | 1.75<br>±0.1 | 20.2<br>±0.1 | 44<br>±0.3   |

### Taping Drawings (UNIT:mm)



### (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 |
| 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 Middle boxes,<br>(36,000 pcs) |
| FXL0420 | 3000 pcs / reel   | 4Reel / box (12000 pcs) | 3 Middle boxes,<br>(36,000 pcs) |
| FXL0518 | 2000 pcs / reel   | 4Reel / box (8000 pcs)  | 3 Middle boxes,<br>(24000 pcs)  |
| FXL0530 | 2000 pcs / reel   | 4Reel / box (8000 pcs)  | 3 Middle boxes,<br>(24000 pcs)  |
| FXL0615 | 2000 pcs / reel   | 3Reel / box (6000 pcs)  | 3 Middle boxes,<br>(18000 pcs)  |
| FXL0618 | 1500 pcs / reel   | 3Reel / box (4500 pcs)  | 3 Middle boxes,<br>(13500 pcs)  |
| FXL0624 | 1500 pcs / reel   | 3Reel / box (4500 pcs)  | 3 Middle boxes,<br>(13500 pcs)  |
| FXL0630 | 1500 pcs / reel   | 3Reel / box (4500 pcs)  | 3 Middle boxes,<br>(13500 pcs)  |
| FXL0640 | 1000 pcs / reel   | 3Reel / box (3000 pcs)  | 3 Middle boxes,<br>(9000 pcs)   |
| FXL0650 | 1000 pcs / reel   | 3Reel / box (3000 pcs)  | 3 Middle boxes,<br>(9000 pcs)   |
| FXL0840 | 800 pcs / reel    | 2Reel / box (1600 pcs)  | 3 Middle boxes,<br>(4800 pcs)   |
| FXL1030 | 800 pcs / reel    | 2Reel / box (1600 pcs)  | 3Middle boxes,<br>(4800 pcs)    |
| FXL1040 | 500 pcs / reel    | 2Reel / box (1000 pcs)  | 3 Middle boxes,<br>(3000 pcs)   |
| FXL1050 | 500 pcs / reel    | 2Reel / box (1000 pcs)  | 3 Middle boxes,<br>(3000 pcs)   |
| FXL1340 | 500 pcs / reel    | 2Reel / box (1000 pcs)  | 3 Middle boxes,<br>(3000 pcs)   |
| FXL1350 | 500 pcs / reel    | 2Reel / box (1000 pcs)  | 3 Middle boxes,<br>(3000 pcs)   |
| FXL1360 | 500 pcs / reel    | 2Reel / box (1000 pcs)  | 3 Middle boxes,<br>(3000 pcs)   |

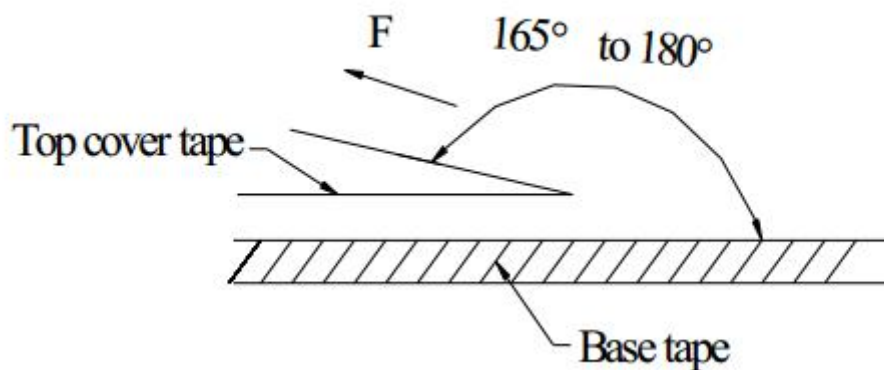
|         |                |                        |                               |
|---------|----------------|------------------------|-------------------------------|
| FXL1365 | 500 pcs / reel | 2Reel / box (1000 pcs) | 3 Middle boxes,<br>(3000 pcs) |
| FXL1770 | 200 pcs / reel | 2Reel / box (400 pcs)  | 3 Middle boxes,<br>(1200 pcs) |
| FXL2213 | 80 pcs / reel  | 1Reel / box (80 pcs)   | Middle boxes,<br>(240 pcs)    |



#### (4) Peel force of top cover tape

The peel speed shall be about 300mm/minute

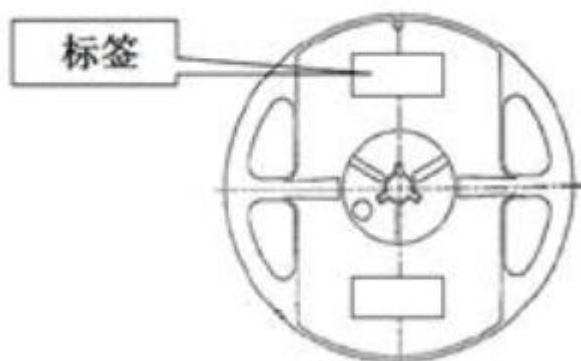
The peel force of top cover tape shall be between 0.1 to 1.3 N



#### (5) Reel Label

Label on the reel

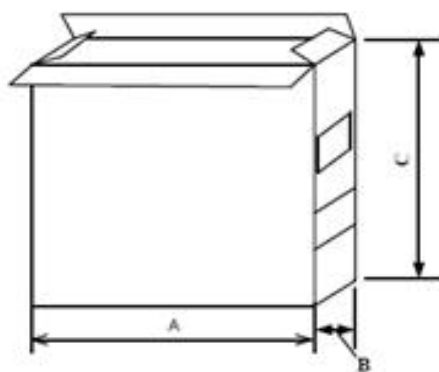
- Customer's part Number
- Lot Number
- Quantity
- date code



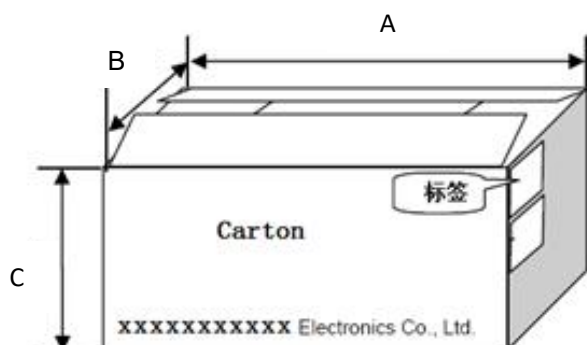
Shipping Label

- 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    |