

## PRODUCT IDENTIFICATION

### 1. Scope

This specification applies to FXL series of wire wound molded SMD power Inductors

### 2. Product Description and Identification (Part Number)

Description

Wire Wound Molded SMD Type Power Inductor, FXL, XX  $\mu$ H $\pm$  X% @XXX KHz/XXXV, XXXm $\Omega$ , XXXmA.



## PRODUCT IDENTIFICATION

**FXL    XXXX   -    XXX   -    M**  
①                    ②                    ③                    ④

| ① Type |                                       |
|--------|---------------------------------------|
| FXL    | Wire wound molded SMD power Inductors |

| ② External Dimensions (mm) |  |
|----------------------------|--|
| 252010~1360                |  |

| ③ Nominal Inductance |               |
|----------------------|---------------|
| Example              | Nominal Value |
| 1R0                  | 1.0 $\mu$ H   |
| 100                  | 10 $\mu$ H    |
| 101                  | 100 $\mu$ H   |

| ④ Inductance Tolerance |           |
|------------------------|-----------|
| M                      | $\pm$ 20% |
| N                      | $\pm$ 30% |

## ELECTRICAL CHARACTERISTICS

(1) Operating temperature range (Including self-heating): -55°C ~+125°C.

(2) Storage temperature and humidity range (product with tapping ): -10 °C~+40°C , RH 70% Max.

## FEATURES

- Halogen Free
- 125°C maximum total temperature operation
- Powder iron core material
- Magnetically shielded, low EMI
- High current carrying capacity, Low core losses
- Frequency range up to 5MHz
- RoHS compliant

## 特征

- 無鹵素
- 125°C最高總溫度運行
- 鐵合金材料
- 磁屏蔽，低電磁干擾
- 高載流能力，低鐵心損耗
- 頻率範圍高達5兆赫
- 符合RoHS標準的

## APPLICATIONS

- Voltage Regulator Module (VRM)
- Multi-phase regulators
- Point-of-load modules
- Smart phone
- SSD
- Notebook
- Battery power systems
- Graphics cards
- Data networking and storage systems
- Automotive electronics

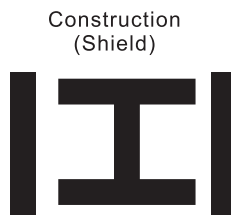
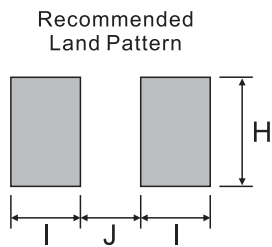
## 用途

- 電壓調節器模塊 (VRM)
- 多相調節器
- 電源模塊
- 智能手機
- 固態硬盤
- 筆記本電腦
- 電池供電系統
- 顯卡
- 數據網絡和存儲系統
- 汽車電子

**PRODUCT IDENTIFICATION**

**Shape and Dimensions**

(1) Dimensions and recommended PCB pattern for reflow soldering: See Fig.4-1 and Table 4-1.



Unit: mm

| Series    | A        | B          | C       | D        | E       | I Typ. | J Typ. | H Typ. |
|-----------|----------|------------|---------|----------|---------|--------|--------|--------|
| FXL201610 | 1.6±0.2  | 2.0±0.2    | 1.0MAX  | 0.5±0.2  | 1.4±0.2 | 2.0    | 0.8    | 0.8    |
| FXL252010 | 2.0±0.2  | 2.5±0.2    | 1.0MAX  | 0.6±0.2  | 1.8±0.2 | 2.2    | 1.0    | 0.9    |
| FXL252012 | 2.0±0.2  | 2.5±0.2    | 1.2MAX  | 0.6±0.2  | 1.8±0.2 | 2.2    | 1.0    | 0.9    |
| FXL0412   | 4.2±0.25 | 4.4±0.35   | 1.0±0.2 | 0.8±0.3  | 2.0±0.3 | 1.5    | 2.2    | 2.5    |
| FXL0420   | 4.2±0.25 | 4.4±0.35   | 1.8±0.2 | 0.8±0.3  | 2.0±0.3 | 1.5    | 2.2    | 2.5    |
| FXL0518   | 5.2±0.2  | 5.4±0.3    | 1.6±0.2 | 1.20±0.2 | 2.2±0.3 | 1.9    | 2.2    | 2.5    |
| FXL0530   | 5.2±0.2  | 5.4±0.3    | 2.8±0.2 | 1.20±0.2 | 2.2±0.3 | 1.9    | 2.2    | 2.5    |
| FXL0618   | 6.6±0.2  | 7.0±0.3    | 1.6±0.2 | 1.60±0.3 | 3.0±0.3 | 2.35   | 3.7    | 3.5    |
| FXL0624   | 6.6±0.2  | 7.0±0.3    | 2.2±0.2 | 1.60±0.3 | 3.0±0.3 | 2.35   | 3.7    | 3.5    |
| FXL0630   | 6.6±0.2  | 7.0±0.3    | 2.8±0.2 | 1.60±0.3 | 3.0±0.3 | 2.35   | 3.7    | 3.5    |
| FXL1040   | 10.0±0.3 | 11.5Max    | 3.8±0.2 | 2.0±0.5  | 3.0±0.5 | 4.1    | 5.4    | 4.1    |
| FXL1350   | 12.6±0.3 | 13.45±0.35 | 4.8±0.2 | 2.0±0.5  | E       | 5      | 8      | 14.5   |
| FXL1360   | 12.6±0.3 | 13.45±0.35 | 5.8±0.2 | 2.0±0.5  | 5.0±0.5 | 5      | 8      | 14.5   |

## PRODUCT IDENTIFICATION

### Remarks:

| Code | Dimensions  |             |
|------|-------------|-------------|
|      | R36/R50/R68 | 3R3/100/150 |
|      | 1R0/1R5/2R2 | 220/330/470 |
| E    | 3.85±0.5    | 5.0±0.5     |

Structure and Components: See Table 4-2

[Table 4-2]

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



## SPECIFICATIONS

### FXL201610 Series

| Part No.        | OCL(μH)<br>±20% | FLL min.2<br>(μH) | DCR (mΩ) @ 20°C |       | Irms3<br>Typ.(Amps) | Isat4 @ 25°C<br>Typ |
|-----------------|-----------------|-------------------|-----------------|-------|---------------------|---------------------|
|                 |                 |                   | TYP.            | MAX.  |                     |                     |
| FXL201610-R24-M | 0.24            | 0.120             | 19.00           | 25.0  | 4.7                 | 4.5                 |
| FXL201610-R47-M | 0.47            | 0.235             | 32.00           | 38.0  | 3.5                 | 3.1                 |
| FXL201610-1R0-M | 1.00            | 0.500             | 75.00           | 83.0  | 2.3                 | 2.1                 |
| FXL201610-2R2-M | 2.20            | 1.100             | 170.0           | 181.0 | 1.5                 | 1.3                 |

### FXL252010 Series

| Part No.        | OCL(μH)<br>±20% | FLL min.2<br>(μH) | DCR (mΩ) @ 20°C |       | Irms3<br>Typ.(Amps) | Isat4 @ 25°C<br>Typ |
|-----------------|-----------------|-------------------|-----------------|-------|---------------------|---------------------|
|                 |                 |                   | TYP.            | MAX.  |                     |                     |
| FXL252010-R33-M | 0.33            | 0.231             | 17.0            | 23.0  | 6.1                 | 4.8                 |
| FXL252010-R47-M | 0.47            | 0.329             | 27.0            | 34.0  | 5.1                 | 4.2                 |
| FXL252010-1R0-M | 1.0             | 0.70              | 47.0            | 54.0  | 3.9                 | 2.8                 |
| FXL252010-2R2-M | 2.2             | 1.54              | 90.0            | 110.0 | 2.7                 | 2.1                 |

### FXL252012 Series

| Part No.        | OCL(μH)<br>±20% | FLL min.2<br>(μH) | DCR (mΩ) @ 20°C |      | Irms3<br>Typ.(Amps) | Isat4 @ 25°C<br>Typ |
|-----------------|-----------------|-------------------|-----------------|------|---------------------|---------------------|
|                 |                 |                   | TYP.            | MAX. |                     |                     |
| FXL252012-R33-M | 0.33            | 0.165             | 14              | 17   | 7.0                 | 4.3                 |
| FXL252012-R47-M | 0.47            | 0.235             | 20              | 25   | 6.3                 | 3.8                 |
| FXL252012-1R0-M | 1.0             | 0.500             | 43              | 53   | 4.1                 | 3.0                 |
| FXL252012-2R2-M | 2.2             | 1.100             | 84              | 98   | 3.0                 | 1.8                 |

## SPECIFICATIONS

### FXL0412 Series

| Part No.      | Inductance        | DC Resistance |       | Heating Rating Current | Saturation Current |
|---------------|-------------------|---------------|-------|------------------------|--------------------|
|               | L0(μH)            | DCR (mΩ)      |       | Idc (A)                | Isat (A)           |
|               | ±20%, 100 KHz, 1V | TYP.          | MAX.  | TYP.                   | TYP.               |
| FXL0412-R15-M | 0.15              | 8.00          | 9.00  | 7.50                   | 15.0               |
| FXL0412-R22-M | 0.22              | 9.50          | 11.0  | 7.00                   | 11.0               |
| FXL0412-R33-M | 0.33              | 17.0          | 19.0  | 6.50                   | 8.4                |
| FXL0412-R47-M | 0.47              | 19.0          | 21.0  | 6.00                   | 6.8                |
| FXL0412-R68-M | 0.68              | 32.0          | 36.0  | 4.70                   | 6.0                |
| FXL0412-1R0-M | 1.00              | 43.0          | 47.0  | 4.50                   | 5.5                |
| FXL0412-1R5-M | 1.50              | 68.0          | 75.0  | 3.25                   | 4.0                |
| FXL0412-2R2-M | 2.20              | 79.4          | 83.5  | 2.75                   | 3.5                |
| FXL0412-4R7-M | 4.70              | 175.0         | 195.0 | 1.80                   | 2.8                |

### FXL0420 Series

| Part No.      | Inductance         | DC Resistance |       | Heating Rating Current | Saturation Current |
|---------------|--------------------|---------------|-------|------------------------|--------------------|
|               | L0 (μH)            | DCR (mΩ)      |       | Idc (A)                | Isat (A)           |
|               | ±20 %, 100 KHz, 1V | TYP.          | MAX.  | TYP.                   | TYP.               |
| FXL0420-R10-M | 0.10               | 3.50          | 4.00  | 13.0                   | 22.0               |
| FXL0420-R22-M | 0.22               | 6.00          | 6.60  | 9.50                   | 12.5               |
| FXL0420-R33-M | 0.33               | 9.00          | 11.0  | 10.0                   | 12.0               |
| FXL0420-R47-M | 0.47               | 12.5          | 14.0  | 7.50                   | 9.50               |
| FXL0420-R56-M | 0.56               | 14.0          | 16.0  | 7.00                   | 10.0               |
| FXL0420-R68-M | 0.68               | 16.0          | 18.0  | 7.00                   | 9.00               |
| FXL0420-1R0-M | 1.00               | 24.0          | 27.0  | 6.00                   | 7.00               |
| FXL0420-1R2-M | 1.20               | 24.0          | 27.0  | 6.00                   | 7.00               |
| FXL0420-1R5-M | 1.50               | 38.0          | 46.0  | 5.00                   | 6.00               |
| FXL0420-2R2-M | 2.20               | 52.0          | 58.0  | 4.50                   | 5.00               |
| FXL0420-3R3-M | 3.30               | 74.0          | 87.0  | 3.30                   | 4.00               |
| FXL0420-4R7-M | 4.70               | 92.0          | 105.0 | 2.80                   | 3.00               |
| FXL0420-6R8-M | 6.80               | 160.0         | 175.0 | 2.40                   | 2.50               |
| FXL0420-100-M | 10.0               | 256.0         | 282.0 | 1.60                   | 2.20               |

## SPECIFICATIONS

### FXL0518 Series

| Part No.      | Inductance        | DC Resistance |       | Heating Rating Current | Saturation Current |
|---------------|-------------------|---------------|-------|------------------------|--------------------|
|               | L0 (μH)           | DCR (mΩ)      |       | Idc (A)                | Isat (A)           |
|               | ±20%, 100 KHz, 1V | TYP.          | MAX.  | TYP.                   | TYP.               |
| FXL0518-R47-M | 0.47              | 7.7           | 9.0   | 10.5                   | 15.5               |
| FXL0518-R56-M | 0.56              | 8.0           | 10.0  | 9.5                    | 15.0               |
| FXL0518-1R0-M | 1.0               | 15.0          | 17.0  | 8.0                    | 9.0                |
| FXL0518-1R5-M | 1.5               | 21.0          | 26.0  | 7.5                    | 9.0                |
| FXL0518-2R2-M | 2.2               | 30.0          | 35.0  | 5.0                    | 6.5                |
| FXL0518-3R3-M | 3.3               | 52.0          | 58.0  | 4.5                    | 5.0                |
| FXL0518-4R7-M | 4.7               | 78.0          | 85.0  | 3.5                    | 4.0                |
| FXL0518-6R8-M | 6.8               | 107.0         | 120.0 | 2.8                    | 3.4                |
| FXL0518-100-M | 10.0              | 140.0         | 155.0 | 2.5                    | 3.0                |

### FXL0530 Series

| Part No.      | Inductance         | DC Resistance |       | Heating Rating Current | Saturation Current |
|---------------|--------------------|---------------|-------|------------------------|--------------------|
|               | L0 (μH)            | DCR (mΩ)      |       | Idc (A)                | Isat (A)           |
|               | ±20 %, 100 KHz, 1V | TYP.          | MAX.  | TYP.                   | TYP.               |
| FXL0530-R10-M | 0.10               | 2.40          | 3.0   | 25.0                   | 33.0               |
| FXL0530-R20-M | 0.20               | 3.50          | 3.9   | 14.0                   | 14.5               |
| FXL0530-R47-M | 0.47               | 7.40          | 8.5   | 11.0                   | 12.0               |
| FXL0530-R68-M | 0.68               | 11.0          | 12.0  | 9.00                   | 11.5               |
| FXL0530-1R0-M | 1.00               | 13.0          | 14.0  | 8.50                   | 11.0               |
| FXL0530-1R2-M | 1.20               | 15.0          | 16.0  | 8.50                   | 11.0               |
| FXL0530-1R5-M | 1.50               | 20.0          | 25.0  | 8.20                   | 8.50               |
| FXL0530-2R2-M | 2.20               | 25.0          | 29.0  | 7.00                   | 7.50               |
| FXL0530-3R3-M | 3.30               | 32.0          | 38.0  | 5.50                   | 6.00               |
| FXL0530-4R7-M | 4.70               | 50.0          | 60.0  | 4.50                   | 5.00               |
| FXL0530-6R8-M | 6.80               | 75.0          | 90.0  | 3.50                   | 4.00               |
| FXL0530-100-M | 10.0               | 110.0         | 125.0 | 3.20                   | 3.50               |

## SPECIFICATIONS

### FXL0618 Series

| Part No.      | Inductance         | DC Resistance |       | Heating Rating Current | Saturation Current |
|---------------|--------------------|---------------|-------|------------------------|--------------------|
|               | L0 (μH)            | DCR (mΩ)      |       | Idc (A)                | Isat (A)           |
|               | ±20 %, 100 KHz, 1V | TYP.          | MAX.  | TYP.                   | TYP.               |
| FXL0618-R47-M | 0.47               | 8.00          | 8.40  | 11.5                   | 18.0               |
| FXL0618-R68-M | 0.68               | 10.0          | 12.0  | 9.5                    | 17.0               |
| FXL0618-1R0-M | 1.00               | 13.0          | 16.0  | 8.5                    | 14.0               |
| FXL0618-1R5-M | 1.50               | 20.0          | 26.0  | 8.0                    | 12.0               |
| FXL0618-2R2-M | 2.20               | 28.0          | 35.0  | 7.0                    | 8.00               |
| FXL0618-3R3-M | 3.30               | 43.0          | 50.0  | 4.5                    | 6.50               |
| FXL0618-4R7-M | 4.70               | 56.0          | 62.0  | 4.0                    | 5.00               |
| FXL0618-6R8-M | 6.80               | 101.0         | 110.0 | 3.0                    | 4.50               |

### FXL0624 Series

| Part No.      | Inductance         | DC Resistance |       | Heating Rating Current | Saturation Current |
|---------------|--------------------|---------------|-------|------------------------|--------------------|
|               | L0 (μH)            | DCR (mΩ)      |       | Idc (A)                | Isat (A)           |
|               | ±20 %, 100 KHz, 1V | TYP.          | MAX.  | TYP.                   | TYP.               |
| FXL0624-R22-M | 0.22               | 2.50          | 3.00  | 21.0                   | 34.0               |
| FXL0624-R33-M | 0.33               | 3.50          | 4.10  | 18.0                   | 24.5               |
| FXL0624-R47-M | 0.47               | 4.50          | 5.10  | 15.0                   | 22.0               |
| FXL0624-R56-M | 0.56               | 5.50          | 6.50  | 13.0                   | 17.0               |
| FXL0624-R68-M | 0.68               | 6.20          | 7.00  | 12.0                   | 16.0               |
| FXL0624-1R0-M | 1.00               | 11.0          | 13.5  | 9.00                   | 16.0               |
| FXL0624-1R5-M | 1.50               | 17.0          | 20.0  | 9.00                   | 15.0               |
| FXL0624-2R2-M | 2.20               | 23.0          | 28.0  | 7.00                   | 14.0               |
| FXL0624-3R3-M | 3.30               | 31.0          | 39.0  | 5.50                   | 10.0               |
| FXL0624-4R7-M | 4.70               | 41.0          | 50.0  | 5.00                   | 7.50               |
| FXL0624-6R8-M | 6.80               | 57.0          | 70.0  | 4.00                   | 6.00               |
| FXL0624-100-M | 10.0               | 92.0          | 101.0 | 3.10                   | 4.00               |
| FXL0624-150-M | 15.0               | 145.0         | 160.0 | 2.50                   | 3.30               |

## SPECIFICATIONS

### FXL0630 Series

| Part No.      | Inductance         | DC Resistance |       | Heating Rating Current | Saturation Current   |
|---------------|--------------------|---------------|-------|------------------------|----------------------|
|               | L0 (μH)            | DCR (mΩ)      |       | I <sub>dc</sub> (A)    | I <sub>sat</sub> (A) |
|               | ±20 %, 100 KHz, 1V | TYP.          | MAX.  | TYP.                   | TYP.                 |
| FXL0630-R22-M | 0.22               | 2.50          | 3.00  | 24.0                   | 34.0                 |
| FXL0630-R24-M | 0.24               | 2.60          | 3.10  | 23.0                   | 26.0                 |
| FXL0630-R33-M | 0.33               | 3.00          | 3.50  | 21.0                   | 25.0                 |
| FXL0630-R47-M | 0.47               | 3.50          | 4.10  | 18.0                   | 20.0                 |
| FXL0630-R56-M | 0.56               | 3.90          | 4.50  | 16.5                   | 18.0                 |
| FXL0630-R68-M | 0.68               | 4.80          | 5.30  | 16.0                   | 17.0                 |
| FXL0630-R82-M | 0.82               | 5.40          | 6.00  | 14.0                   | 16.0                 |
| FXL0630-1R0-M | 1.00               | 6.70          | 7.40  | 12.0                   | 15.0                 |
| FXL0630-1R5-M | 1.50               | 10.6          | 12.1  | 12.0                   | 14.0                 |
| FXL0630-2R2-M | 2.20               | 13.5          | 15.0  | 9.50                   | 10.0                 |
| FXL0630-3R3-M | 3.30               | 18.0          | 22.0  | 8.50                   | 9.50                 |
| FXL0630-4R7-M | 4.70               | 28.0          | 33.0  | 6.00                   | 6.50                 |
| FXL0630-6R8-M | 6.80               | 42.5          | 48.0  | 5.00                   | 6.00                 |
| FXL0630-8R2-M | 8.20               | 54.0          | 60.0  | 5.00                   | 6.00                 |
| FXL0630-100-M | 10.0               | 62.0          | 67.0  | 4.50                   | 5.50                 |
| FXL0630-150-M | 15.0               | 104.0         | 115.0 | 3.00                   | 4.50                 |
| FXL0630-220-M | 22.0               | 180.0         | 200.0 | 2.30                   | 3.00                 |
| FXL0630-330-M | 33.0               | 280.0         | 310.0 | 2.00                   | 2.50                 |

## SPECIFICATIONS

### FXL1040 Series

| Part No.      | Inductance         | DC Resistance |       | Heating Rating Current | Saturation Current |
|---------------|--------------------|---------------|-------|------------------------|--------------------|
|               | L0 (μH)            | DCR (mΩ)      |       | Idc (A)                | Isat (A)           |
|               | ±20 %, 100 KHz, 1V | TYP.          | MAX.  | TYP.                   | TYP.               |
| FXL1040-R15-M | 0.15               | 0.50          | 0.65  | 45.0                   | 75.0               |
| FXL1040-R22-M | 0.22               | 0.90          | 1.00  | 35.0                   | 60.0               |
| FXL1040-R30-M | 0.30               | 0.95          | 1.10  | 35.0                   | 50.0               |
| FXL1040-R36-M | 0.36               | 1.05          | 1.20  | 30.0                   | 50.0               |
| FXL1040-R47-M | 0.47               | 1.50          | 1.70  | 30.0                   | 40.0               |
| FXL1040-R56-M | 0.56               | 1.60          | 1.80  | 25.0                   | 33.0               |
| FXL1040-R68-M | 0.68               | 2.10          | 2.40  | 23.0                   | 30.0               |
| FXL1040-R80-M | 0.80               | 2.60          | 2.70  | 23.0                   | 29.0               |
| FXL1040-1R0-M | 1.00               | 3.00          | 3.30  | 19.0                   | 28.0               |
| FXL1040-1R5-M | 1.50               | 3.80          | 4.20  | 16.0                   | 26.0               |
| FXL1040-2R2-M | 2.20               | 6.00          | 7.00  | 12.0                   | 18.0               |
| FXL1040-3R3-M | 3.30               | 10.0          | 11.8  | 11.0                   | 16.0               |
| FXL1040-4R7-M | 4.70               | 17.0          | 20.0  | 9.00                   | 15.0               |
| FXL1040-6R8-M | 6.80               | 22.0          | 25.0  | 8.50                   | 12.0               |
| FXL1040-8R2-M | 8.20               | 25.0          | 27.0  | 8.00                   | 9.00               |
| FXL1040-100-M | 10.0               | 27.0          | 30.0  | 7.80                   | 8.50               |
| FXL1040-150-M | 15.0               | 40.0          | 45.0  | 6.50                   | 7.00               |
| FXL1040-220-M | 22.0               | 58.0          | 66.0  | 5.00                   | 5.50               |
| FXL1040-330-M | 33.0               | 85.0          | 92.0  | 4.40                   | 5.00               |
| FXL1040-470-M | 47.0               | 130.0         | 145.0 | 3.30                   | 3.50               |
| FXL1040-680-M | 68.0               | 178.0         | 195.0 | 2.50                   | 3.00               |



## SPECIFICATIONS

### FXL1350 Series

| Part No.      | Inductance         | DC Resistance |       | Heating Rating Current | Saturation Current   |
|---------------|--------------------|---------------|-------|------------------------|----------------------|
|               | L0 (μH)            | DCR (mΩ)      |       | I <sub>dc</sub> (A)    | I <sub>sat</sub> (A) |
|               | ±20 %, 100 KHz, 1V | TYP.          | MAX.  | TYP.                   | TYP.                 |
| FXL1350-R22-M | 0.22               | 0.50          | 0.70  | 50.0                   | 75.0                 |
| FXL1350-R36-M | 0.36               | 0.74          | 0.85  | 42.0                   | 50.0                 |
| FXL1330-R50-M | 0.50               | 1.10          | 1.15  | 38.0                   | 48.0                 |
| FXL1350-R68-M | 0.68               | 1.35          | 1.55  | 33.0                   | 46.0                 |
| FXL1350-R82-M | 0.82               | 1.45          | 1.67  | 30.0                   | 39.0                 |
| FXL1350-1R0-M | 1.00               | 1.90          | 2.20  | 26.0                   | 35.0                 |
| FXL1350-1R5-M | 1.50               | 2.80          | 3.20  | 23.0                   | 33.0                 |
| FXL1350-2R2-M | 2.20               | 4.00          | 5.00  | 15.0                   | 24.0                 |
| FXL1350-3R3-M | 3.30               | 5.90          | 7.00  | 14.0                   | 22.0                 |
| FXL1350-4R7-M | 4.70               | 8.20          | 9.00  | 13.0                   | 21.0                 |
| FXL1350-6R8-M | 6.80               | 14.5          | 18.0  | 12.0                   | 16.0                 |
| FXL1350-100-M | 10.0               | 19.0          | 22.0  | 9.00                   | 12.0                 |
| FXL1350-220-M | 22.0               | 51.0          | 58.0  | 4.50                   | 6.50                 |
| FXL1350-330-M | 33.0               | 75.0          | 84.0  | 3.50                   | 6.00                 |
| FXL1350-470-M | 47.0               | 116.0         | 130.0 | 3.00                   | 5.00                 |

**SPECIFICATIONS**

**FXL1360 Series**

| Part No.      | Inductance         | DC Resistance |      | Heating Rating Current | Saturation Current   |
|---------------|--------------------|---------------|------|------------------------|----------------------|
|               | L0 (μH)            | DCR (mΩ)      |      | I <sub>dc</sub> (A)    | I <sub>sat</sub> (A) |
|               | ±20 %, 100 KHz, 1V | TYP.          | MAX. | TYP.                   | TYP.                 |
| FXL1360-4R7-M | 4.70               | 8.50          | 9.00 | 20.0                   | 24.0                 |
| FXL1360-5R6-M | 5.60               | 9.50          | 11.0 | 18.0                   | 22.5                 |
| FXL1360-8R2-M | 8.20               | 13.6          | 16.0 | 11.0                   | 13.5                 |
| FXL1360-100-M | 10.0               | 18.0          | 20.7 | 10.0                   | 12.5                 |
| FXL1360-120-M | 12.0               | 20.0          | 23.0 | 7.00                   | 10.0                 |
| FXL1360-150-M | 15.0               | 25.0          | 29.0 | 6.00                   | 9.00                 |
| FXL1360-180-M | 18.0               | 30.0          | 35.0 | 5.00                   | 8.00                 |
| FXL1360-220-M | 22.0               | 34.0          | 39.5 | 5.00                   | 7.50                 |
| FXL1360-270-M | 27.0               | 49.0          | 56.0 | 4.00                   | 6.50                 |
| FXL1360-330-M | 33.0               | 65.0          | 75.0 | 4.00                   | 6.00                 |
| FXL1360-470-M | 47.0               | 80.0          | 90.0 | 3.50                   | 5.50                 |
| FXL1360-680-M | 68.0               | 120           | 140  | 3.00                   | 4.50                 |
| FXL1360-101-M | 100.0              | 180           | 200  | 2.50                   | 3.50                 |
| FXL1360-121-M | 120.0              | 210           | 235  | 2.30                   | 3.20                 |
| FXL1360-151-M | 150.0              | 300           | 350  | 2.00                   | 2.70                 |

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