

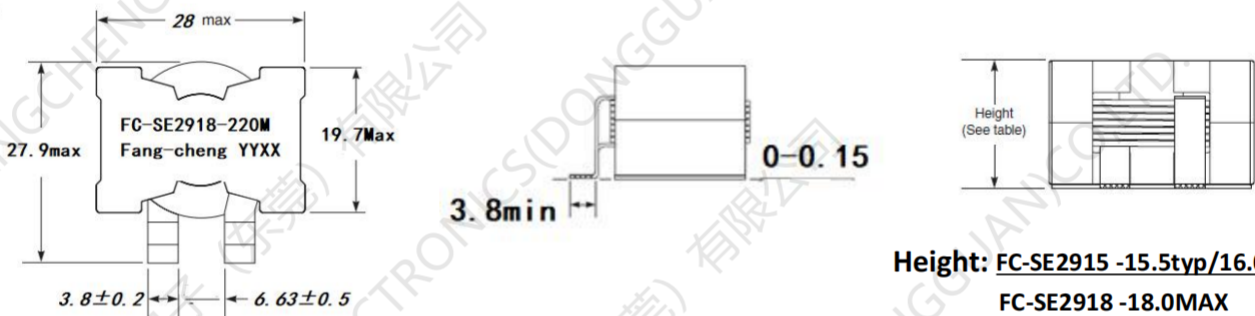
## FC-SE2915-2918-Series SMD Flat Wire High Current Inductor

### Applications

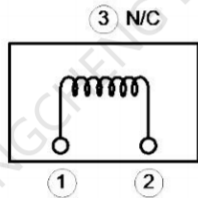
- Industrial computers
- High current switching regulators
- DC/DC converter
- Filter
- Magnetically shielded
- Flat wire coil for low losses at high frequency
- Low stray field
- Operating temperature:  $-40\text{ }^{\circ}\text{C}$  to  $+125\text{ }^{\circ}\text{C}$  /  $+150\text{ }^{\circ}\text{C}$  /  $+155\text{ }^{\circ}\text{C}$
- Recommended solder profile: Reflow



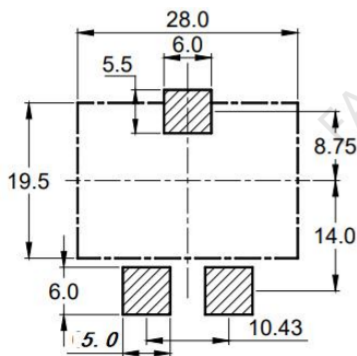
### 1. Dimensions: [mm]



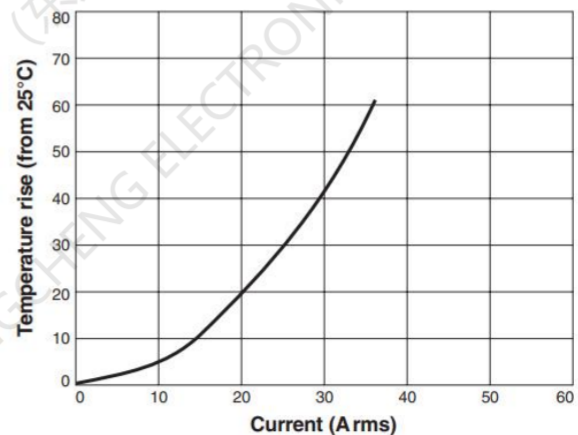
### 2.Schematic:



### 3. Recommended Land Pattern: mm



### 4. Temperature Rise vs Current:



## FC-SE2915-2918-Series SMD Flat Wire High Current Inductor

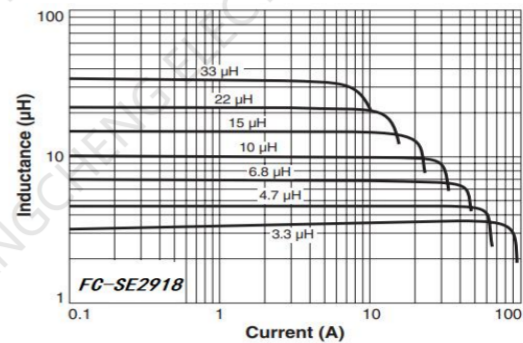
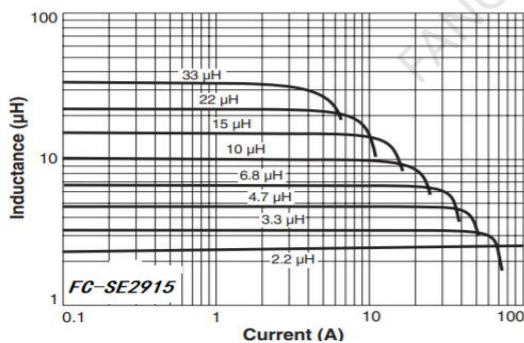
### 4. ELECTRIC CHARACTERISTICS

| Part number    | Inductance<br>±20%(μH) | DRC<br>( mohms) |      | SRF<br>typ<br>(MHz) | Isat(A) | Irms(A) |
|----------------|------------------------|-----------------|------|---------------------|---------|---------|
|                |                        | nom             | max  |                     |         |         |
| FC-SE2915-1R5M | 1.5                    | 1.65            | 1.86 | 60                  | > 100   | 32      |
| FC-SE2915-2R2M | 2.2                    | 1.65            | 1.86 | 40                  | > 100   | 32      |
| FC-SE2915-3R3M | 3.3                    | 1.65            | 1.86 | 30                  | 68.4    | 32      |
| FC-SE2915-4R7M | 4.7                    | 1.65            | 1.86 | 25                  | 50.1    | 32      |
| FC-SE2915-6R8M | 6.8                    | 1.65            | 1.86 | 20                  | 36.2    | 32      |
| FC-SE2915-100M | 10                     | 1.65            | 1.86 | 15                  | 23.4    | 32      |
| FC-SE2915-120M | 12                     | 1.65            | 1.86 | 13                  | 19.5    | 32      |
| FC-SE2915-150M | 15                     | 1.65            | 1.86 | 12                  | 15.2    | 32      |
| FC-SE2915-220M | 22                     | 1.65            | 1.86 | 10                  | 9.6     | 32      |
| FC-SE2915-330M | 33                     | 1.65            | 1.86 | 8                   | 5.9     | 32      |
| FC-SE2918-3R3M | 3.3                    | 2.3             | 2.60 | 40                  | 93.6    | 30      |
| FC-SE2918-4R7M | 4.7                    | 2.3             | 2.60 | 30                  | 62.4    | 30      |
| FC-SE2918-6R8M | 6.8                    | 2.3             | 2.60 | 25                  | 45.9    | 30      |
| FC-SE2918-100M | 10                     | 2.3             | 2.60 | 20                  | 32.1    | 30      |
| FC-SE2918-150M | 15                     | 2.3             | 2.60 | 16                  | 21.9    | 30      |
| FC-SE2918-220M | 22                     | 2.3             | 2.60 | 15                  | 15.0    | 30      |
| FC-SE2918-330M | 33                     | 2.3             | 2.60 | 10                  | 9.6     | 30      |
| FC-SE2918-470M | 47                     | 2.3             | 2.60 | 7.0                 | 8.5     | 30      |

**Remark:**

- <1>Inductance: 100KHz 0.1V Test condition: Ta= 25°C
- <2>Tolerance of inductance:±20%
- <3>Isat: The value of curret indicates that inductance drops 30%( Typcial ) from its initial value
- <4>Irms:The value of current indicates that the temperature of the coil is increase 40°C (Typical)

### 5.Temperature Rise vs Current



单击下面可查看定价，库存，交付和生命周期等信息

[>>FC\(方成\)](#)