

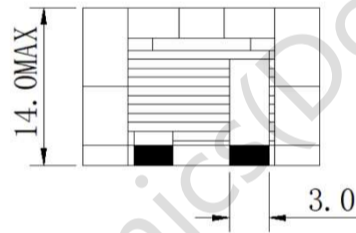
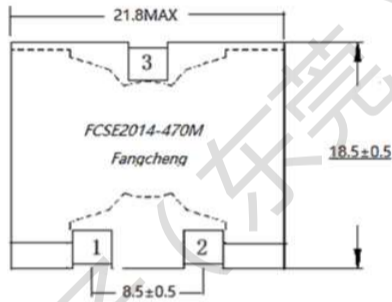
## FC-SE2014-Series SMD Flat Wire High Current Inductor

### Applications

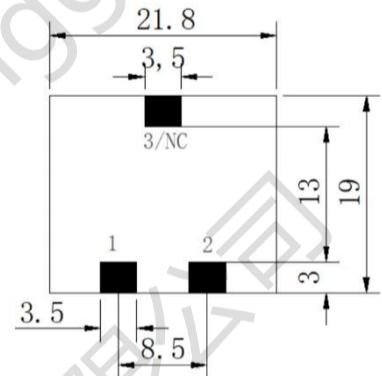
- Industrial computers
- High current switching regulators
- DC/DC converter
- Filter
- Magnetically shielded
- Flat wire coil for low losses at high frequency
- Low stray field
- Operating temperature:  $-40\text{ }^{\circ}\text{C}$  to  $+155\text{ }^{\circ}\text{C}$



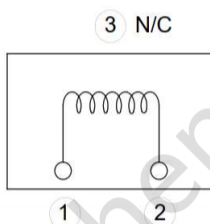
#### 1. Dimensions: [mm]



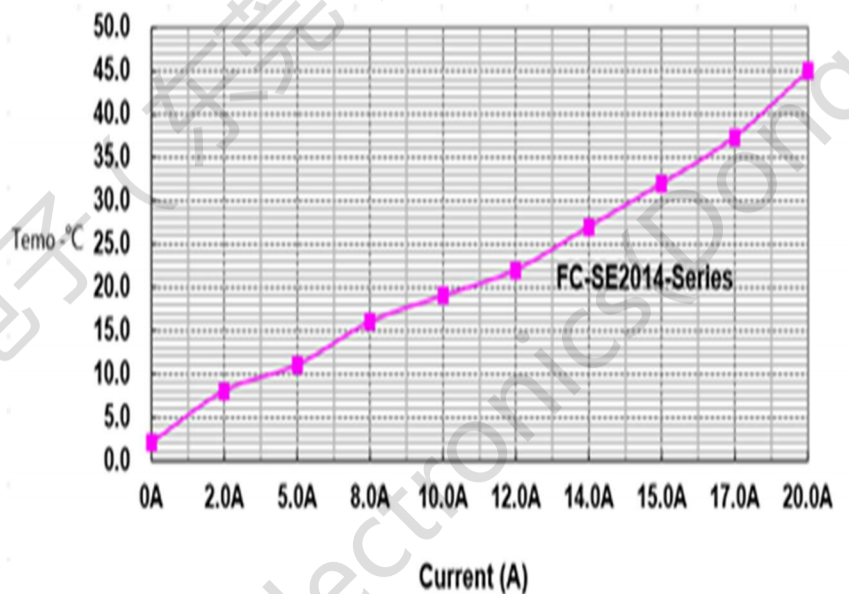
#### 2. Recommended Land Pattern: mm



#### 3. Schematic:



#### 4. Temperature rise current curve



#### 5. Customer Application:





# 方成电子（东莞）有限公司

## FC-HER2014-Series -SMD Flat Wire High Current Inductor

### 6. ELECTRIC CHARACTERISTICS

Order Code	L( $\mu$ H)	DCR ( $m\Omega$ )		Irms	Isat
	$\pm 20\%$	typ	max	A	A
FC-SE2014-100M	10.0	5.35	6.35	17.0	21.0
FC-SE2014-150M	15.0	5.35	6.35	17.0	17.0
FC-SE2014-220M	22.0	5.35	6.35	17.0	11.0
FC-SE2014-330M	33.0	5.35	6.35	17.0	8.5
FC-SE2014-470M	47.0	5.35	6.35	17.0	6.0

#### Remark:

<1>Inductance: 100KHz 0.1V

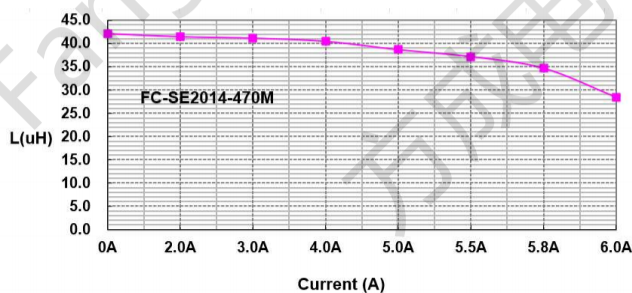
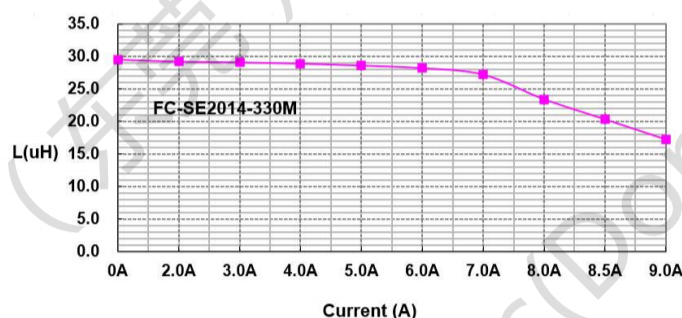
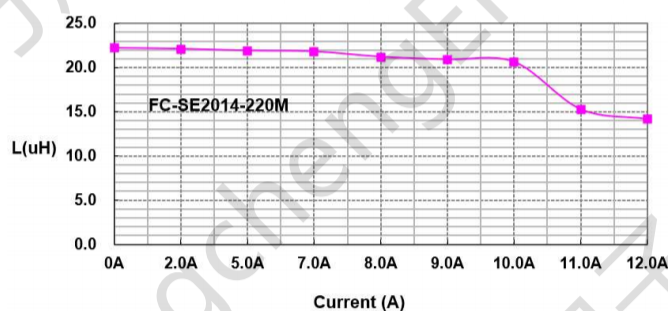
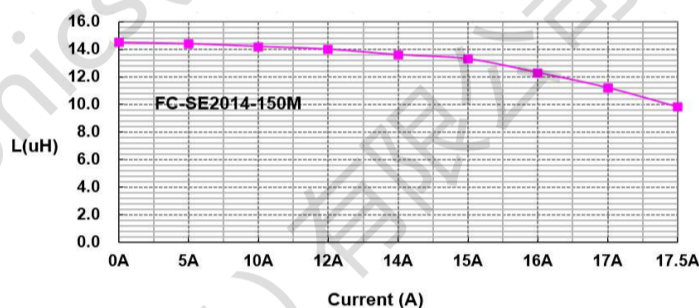
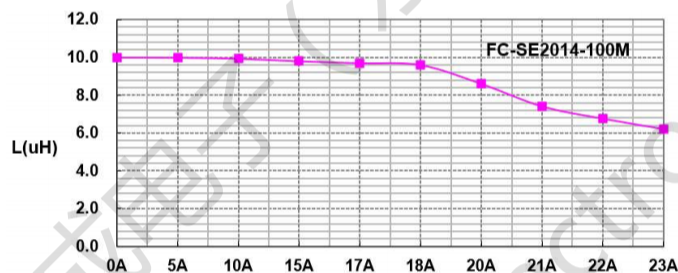
<2>Tolerance of inductance: $\pm 20\%$

<3>Isat: The value of current indicates that inductance drops 30%(Typical) from its initial value

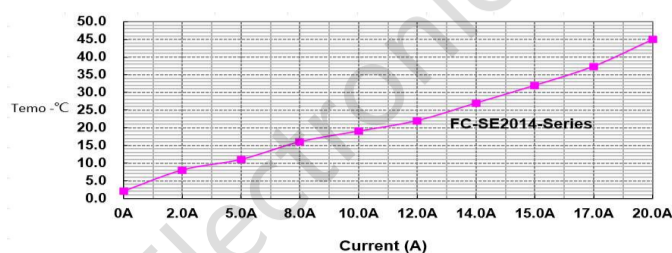
<4>Irms: The value of current indicates that the temperature of the coil is increase 40°C (Typical)

<5>Test condition: Ta= 25°C

### 7. Inductance VS Current Curve:



### 8. Temperature rise current curve



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