

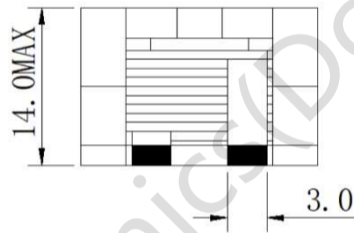
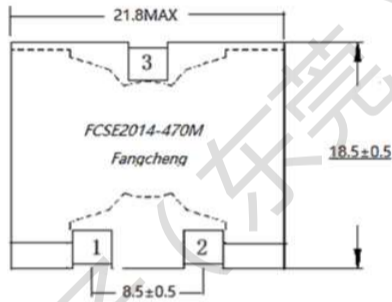
FC-SE2014-Series SMD Flat Wire High Current Inductor

Applications

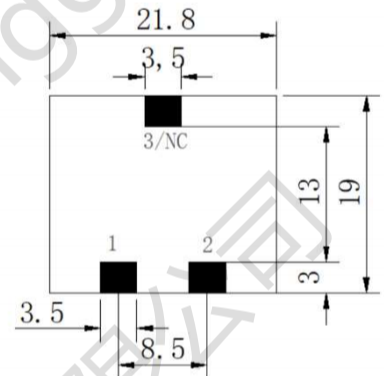
- Industrial computers
- High current switching regulators
- DC/DC converter
- Filter
- Magnetically shielded
- Flat wire coil for low losses at high frequency
- Low stray field
- Operating temperature: $-40\text{ }^{\circ}\text{C}$ to $+155\text{ }^{\circ}\text{C}$



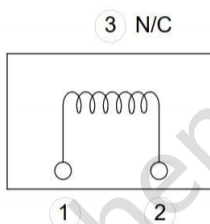
1. Dimensions: [mm]



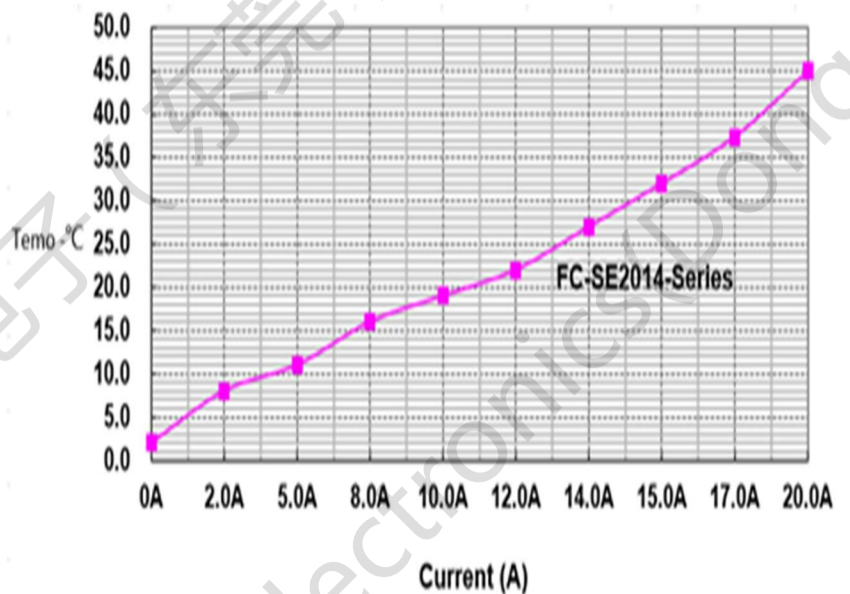
2. Recommended Land Pattern: mm



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(μ 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

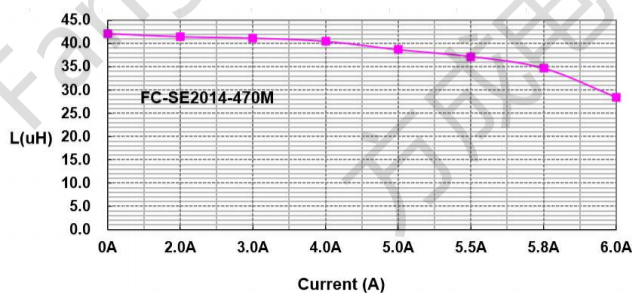
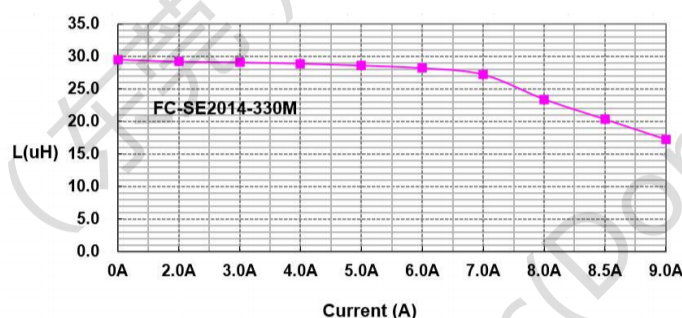
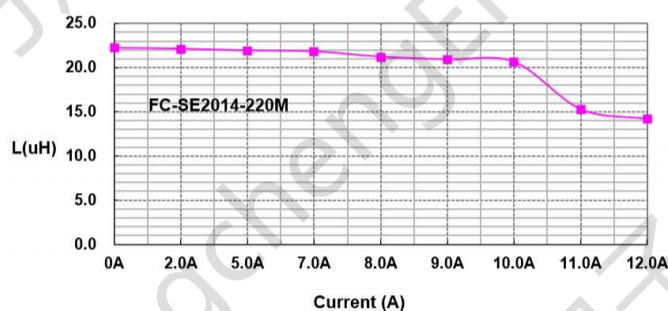
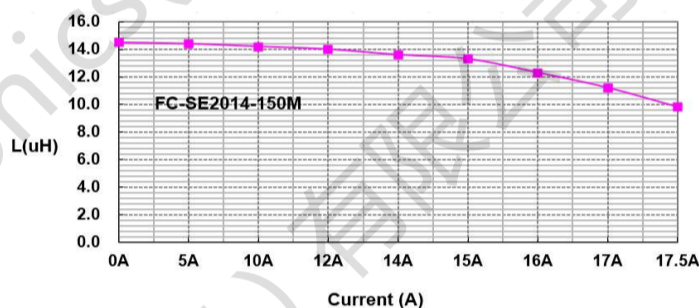
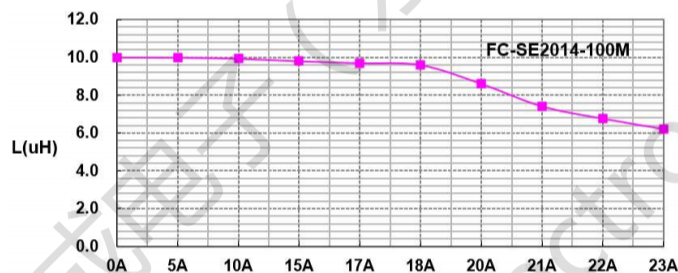
<2>Tolerance of inductance: $\pm 20\%$

<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. Temperatue rise current curven

