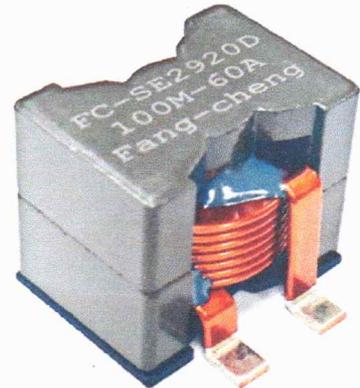


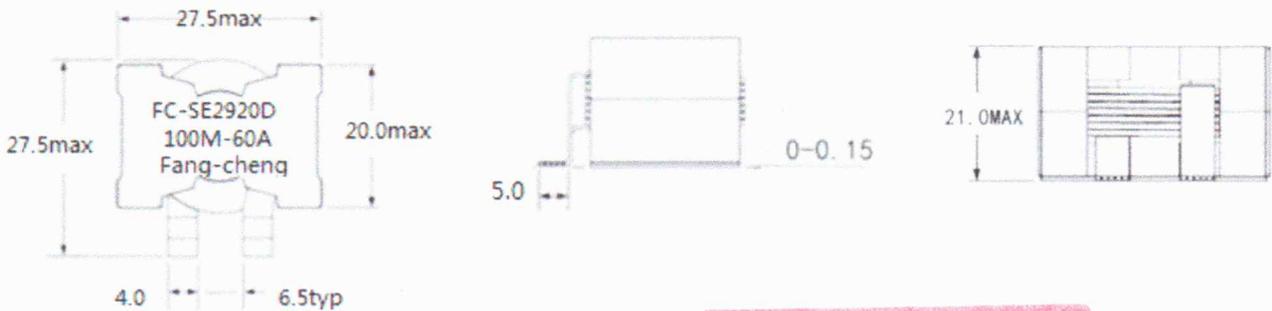
FC-SE2920D-100M-60A SMD Flat Wire High Current Inductor

Applications

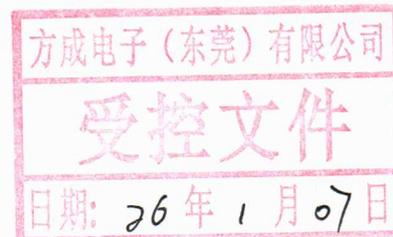
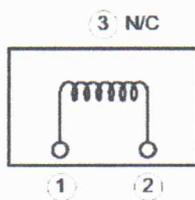
- Industrial computers
- High current switching regulators
- Boost, Buck, Circuit Inductance
- Filter
- Magnetically shielded
- Flat wire coil for low losses at high frequency
- Low stray field
- Operating temperature: $-40\text{ }^{\circ}\text{C}$ to $+125\text{ }^{\circ}\text{C}$
- Recommended solder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



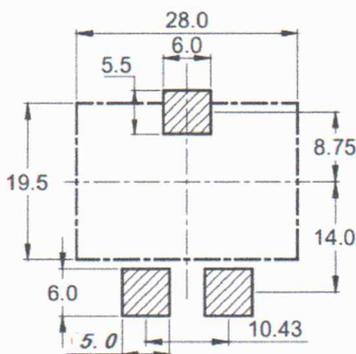
1. Dimensions: [mm]



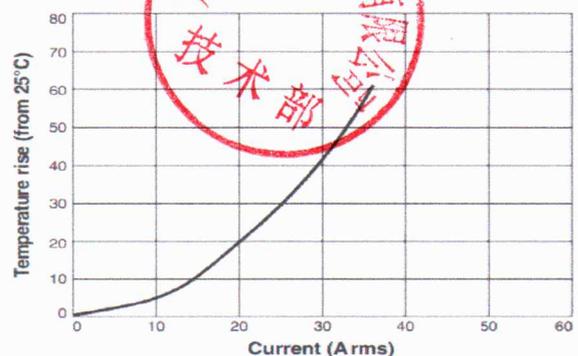
2.Schematic:



3. Recommended Land Pattern: mm



4. Temperature Rise vs Current:



FC-SE2920D-100M-60A SMD Flat Wire High Current Inductor

5. ELECTRIC CHARACTERICS

Part number	L(μ H) $\pm 30\%$	DRC (mohms)		SRF MHZ	Isat(A) ³ drops 30%	Irms(A) ⁴
		typ	max			
FC-SE2920D-100M-60A	8.0-10.0-13.0	2.0	2.5	10	60.0typ/65A	40A/45MAX

Remark:

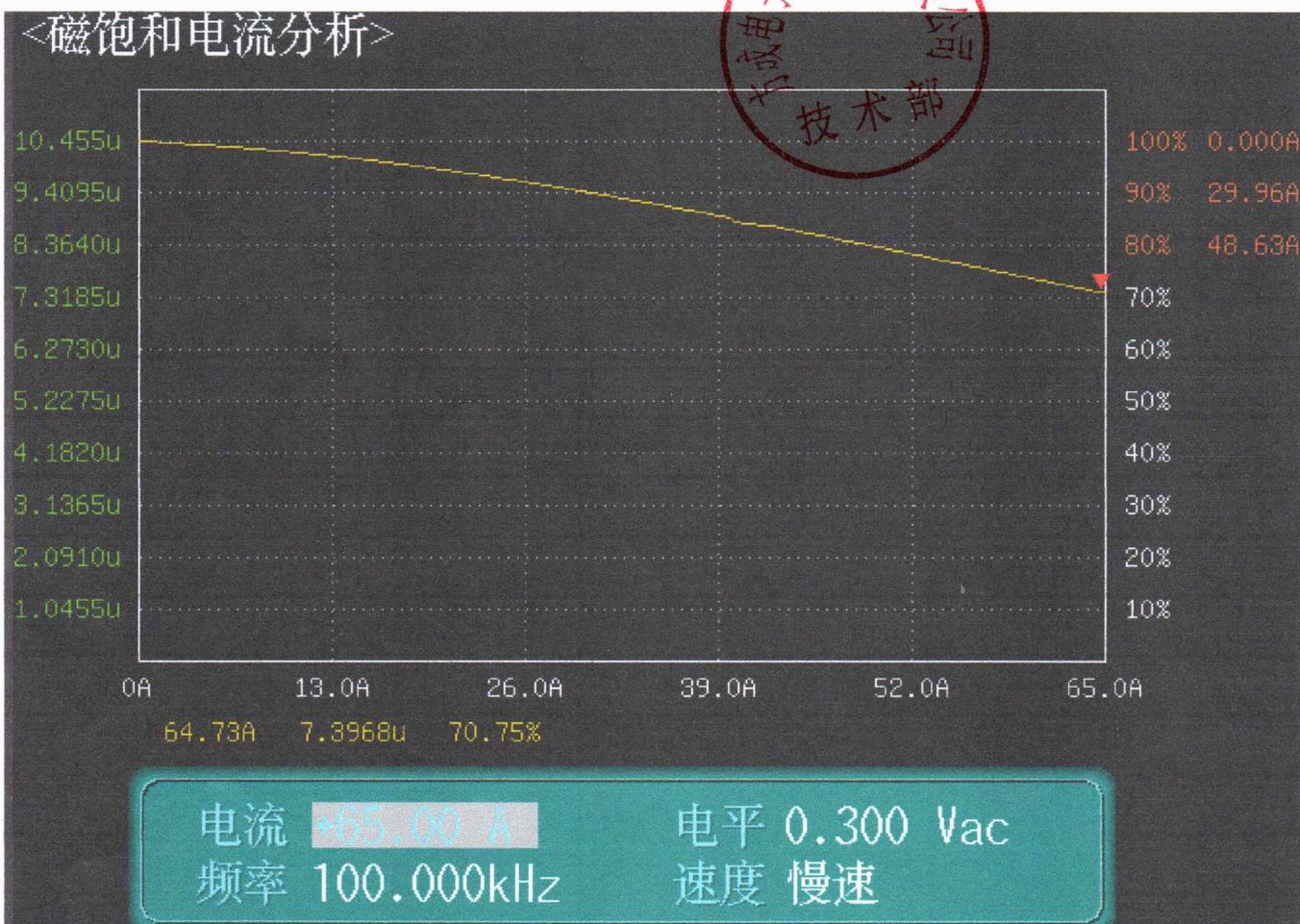
<1>Inductance: 100KHz 0.3V Test condition: Ta= 25°C

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

<3>Isat: The value of curret indicates that inductance drops -30%(Typcial) from its initial value

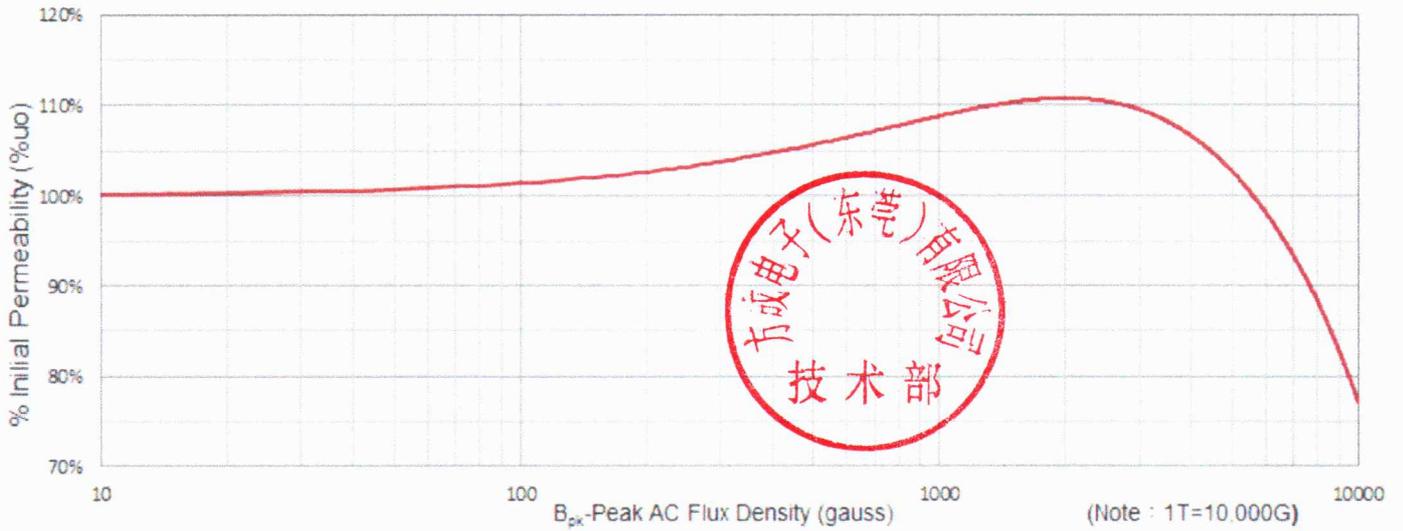
<4>Irms:The value of current indicates that the temperature of the coil is increase 40°C (Typical)

6. Inductancevs Isat Current



FC-SE2920D-100M-60A SMD Flat Wire High Current Inductor

7. Percent Initial Permeability VS Peak AC Flux Density



7.2 Percent Initial permeability(μ_0) VS DC Magnetizing force

