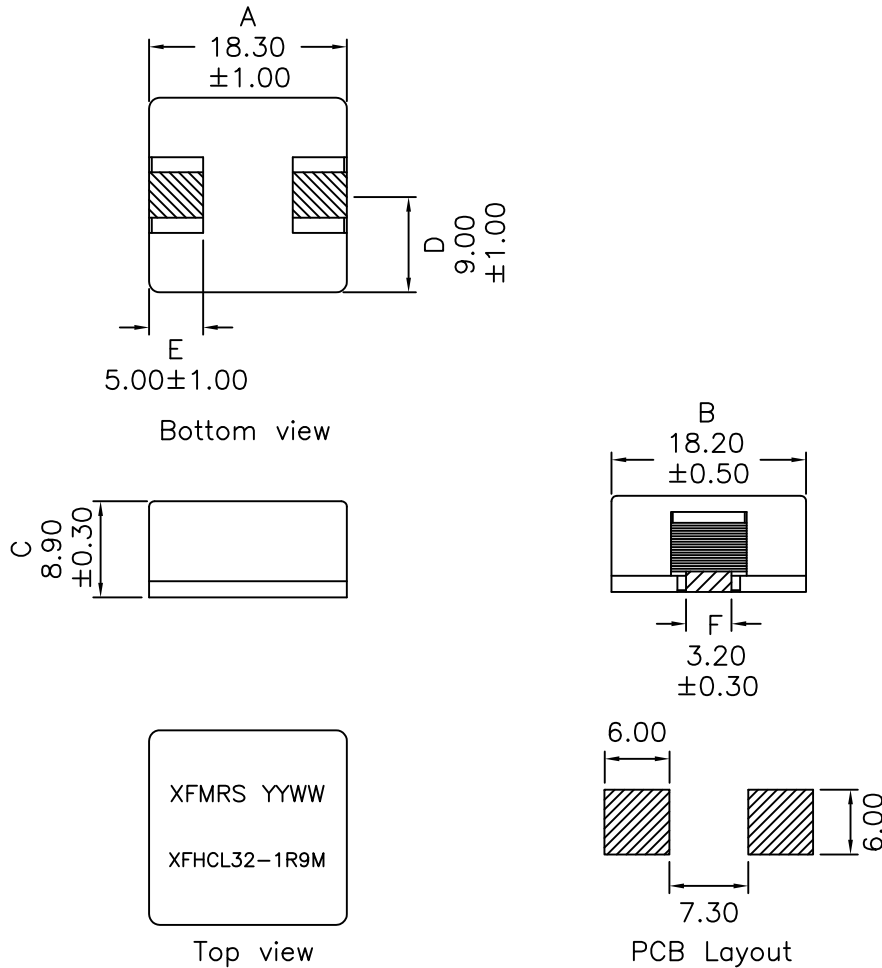


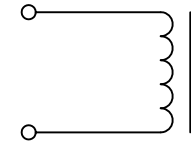
## 1. Mechanical Dimensions:



### Notes:

1. Solderability: Leads shall meet MIL-STD-202G, Method 208H for solderability.
2. Flammability: UL94V-0
3. ASTM oxygen index: > 28%
4. Insulation System: Class F 155°C. UL file E151556
5. Operating Temperature Range: All listed parameters are to be within tolerance from -40°C to +125°C
7. Ambient temperature: -40°C to +85°C
8. Storage Temperature Range: -20°C to +40°C
9. Aqueous wash compatible
8. SMD Lead Coplanarity:  $\pm 0.004''$  (0.102mm)
10. Electrical and mechanical specifications 100% tested
11. RoHS Compliant Component
12. Recommended IR Reflow peak temp of 245C Max.

## 2. Schematic:



## 3. Electrical Specifications: @25°C

OCL: 1.90uH $\pm$ 20% @100KHz 10mA

Q: 5 Min @100KHz 100mV

Rated inductance: 1.6uH Typ @100KHz 10mA @32.5A

Rated current: 32.5A Max (Based on 50°C Rise in Temp)

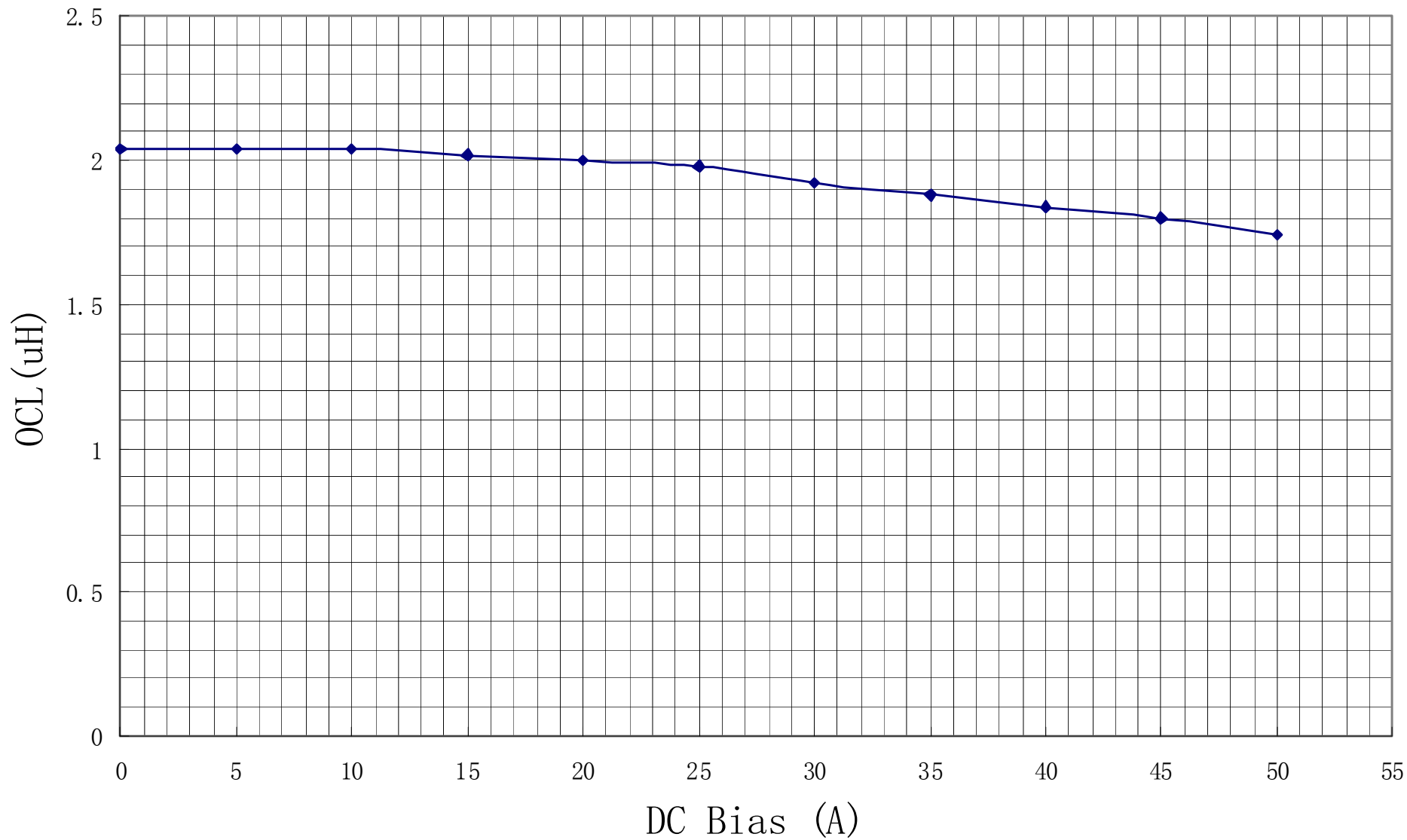
I<sub>sat</sub>: 52.0A Typ (Based on 30% drop in OCL Max)

DCR: 1.50 mOhms Max

SRF: 51MHz Typ

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	UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx $\pm$ 0.25 Dimensions in MM	P/N: XFHCL32-1R9M	REV. A
SHEET 1 OF 2	DWN.	Yuan	Aug-02-13
	APP.	YK Liao	Aug-02-13



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	UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.25 Dimensions in MM	P/N: XFHCL32-1R9M	REV. A
	DWN.	Yuan	Aug-02-13
	CHK.	YK Liao	Aug-02-13
SHEET 2 OF 2	APP.	BW	Aug-02-13

**PROPRIETARY**

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