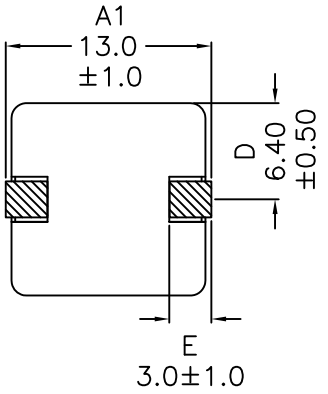
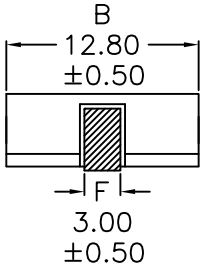
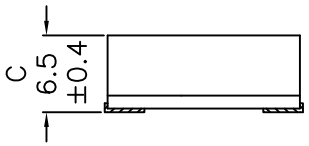
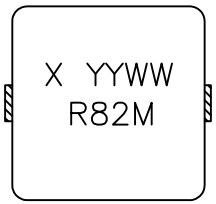
1. Mechanical Dimensions:



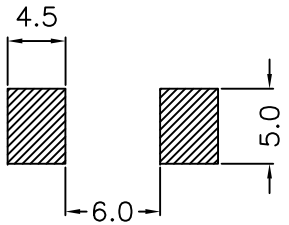
Bottom view







Top view

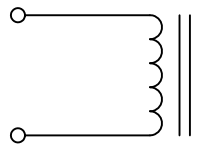


PCB Layout

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 +155°C
6. Storage Temperature Range: -20°C to +40°C
7. Aqueous wash compatible
8. SMD Lead Coplanarity: ±0.004"(0.102mm)
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component
11. Maximum component temp: 155°C
12. Recommended IR Reflow peak temp of 250°C Max.

2. Schematic:



3. Electrical Specifications: @25C

OCL: 0.82uH±20% @100KHz, 0.1V

Q: 12 Min @100KHz, 0.1V

Rated inductance: 0.64uH Typ @100KHz, 0.1V @26.0A

Rated current: 27.0A Max (Based on 50°c Rise in Temp)

Isat: 35A Typ (Based on 30% drop in OCL Max)

DCR: 0.9 mOhms ±10%

SRF: 100 MHz Typ

DOC. REV: A/1

XFMRS Inc www.XFMRS.com	Title: XFHCL SMD Flat Wire High Current Inductor		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.25 Dimensions in MM	P/N: XFHCL33B-R82M		REV. A
	DWN.	Yuan	Jul-24-14
	CHK.	YK Liao	Jul-24-14
SHEET 1 OF 1	APP.	DDC	Jul-24-14

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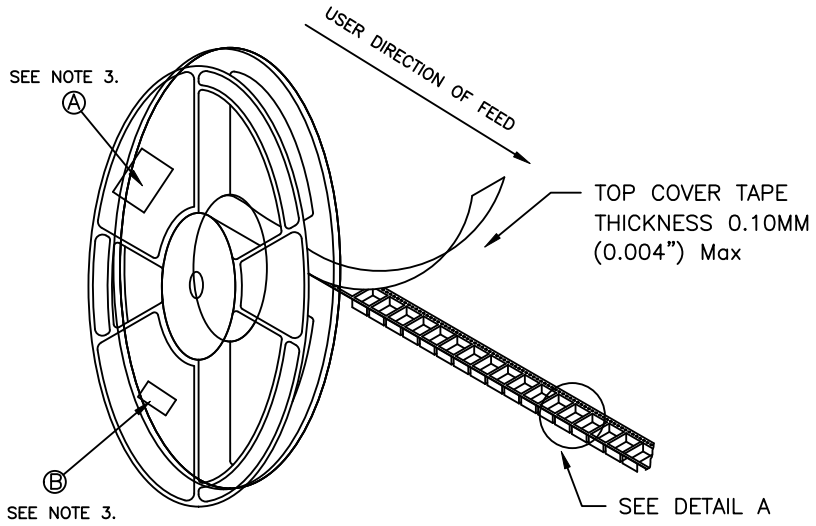
TAPE AND REEL SPECIFICATION:



REEL AND TAPE ORIENTATION

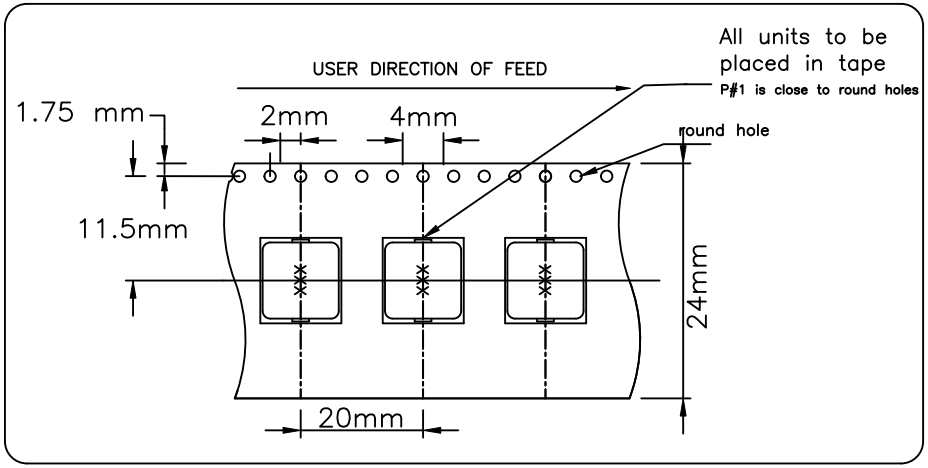
13" REEL DIAMETER

For FG: XFHCL33B-XXXX series

NOTES:

1) PROCESS IN ACCORDANCE WITH EIA-481-2 STANDARDS
   * TAPE LEADER DIMENSION 15.30" MIN.
   * TAPE TRAILER DIMENSION 6.30" MIN.
2) PARTS SHOULD BE PACKAGED IN ACCORDANCE WITH ESD GUIDELINES IN EIA-541.
3) REEL LABEL: 'A' * PART NUMBER
   * QUANTITY
   * DATE CODE
4) 400pcs PER 13"REEL

DETAIL A



DOC REV: A/2

XFMRS® www.XFMRS.com	Title: T&R SPEC		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xxs ±0.05 Dimensions in mm	P/N: XFHCL33B Series		REV: A
	DWN.	Kong	Mar-14-20
	CHK.	YK Liao	Mar-14-20
SHT 1 OF 1	APP.	DDC	Mar-14-20

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