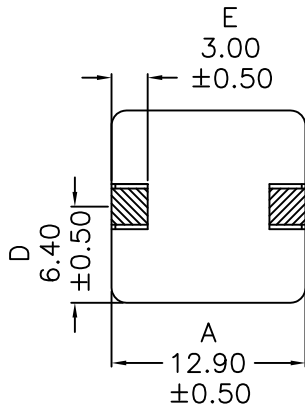
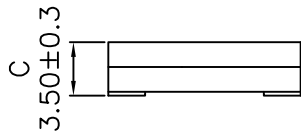
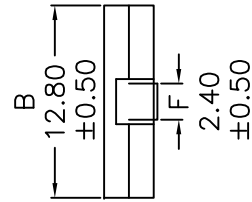


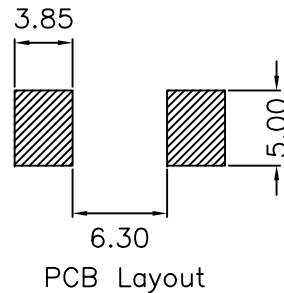
## 1. Mechanical Dimensions:



Bottom view



Top view

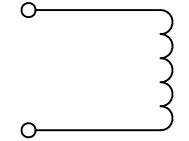


PCB Layout

### Notes:

- Solderability: Leads shall meet MIL-STD-202G, Method 208H for solderability.
- Flammability: UL94V-0
- ASTM oxygen index: > 28%
- Insulation System: Class F 155°C. UL file E151556
- Operating Temperature Range: All listed parameters are to be within tolerance from -40°C to +150°C
- Storage Temperature Range: -20°C to +40°C
- Aqueous wash compatible
- SMD Lead Coplanarity: ±0.004"(0.102mm)
- Electrical and mechanical specifications 100% tested
- RoHS Compliant Component
- Recommended IR Reflow peak temp of 235°C Max.

## 2. Schematic:



## 3. Electrical Specifications: @25°C

OCL: 0.68uH±20% @100KHz 0.1V

Q: 8 Min @100KHz 0.1V

Rated inductance: 0.47uH Typ @100KHz 0.1V @22.0A

Rated current: 22.0A Max (Based on 50°C Rise in Temp)

Isat: 40A Typ (Based on 30% drop in OCL Max)

DCR: 1.74 mOhms Max

SRF: 145 MHz Typ

DOC. REV: A/4

|  |  |                   |           |
|--|--|-------------------|-----------|
| <b>XFMRs Inc</b><br><a href="http://www.XFMRs.com">www.XFMRs.com</a> | Title: XFHCL SMD Flat Wire High Current Inductor |                   |           |
|  | UNLESS OTHERWISE SPECIFIED                       | P/N: XFHCL33-R68M | REV. A    |
| TOLERANCES:<br>.xx ±0.25   | DWN.   | Yuan              | Jan-19-15 |
| Dimensions in MM   | CHK.   | YK Liao           | Jan-19-15 |
| SHEET 1 OF 1   | APP.   | DDC               | Jan-19-15 |

**PROPRIETARY**

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