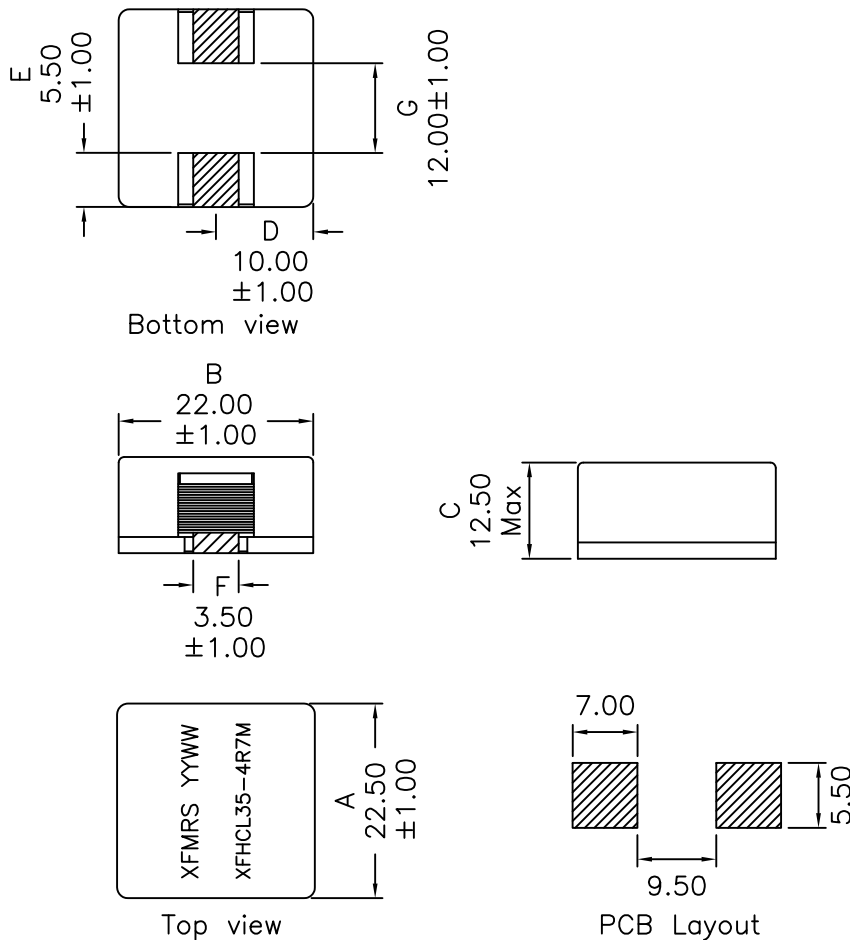


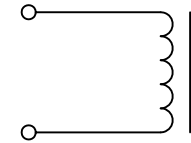
## 1. Mechanical Dimensions:



### 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
6. Ambient Temperature: -40°C to +85°C
7. Storage Temperature Range: -20°C to +40°C
8. Aqueous wash compatible
9. 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 235C Max.

## 2. Schematic:



## 3. Electrical Specifications: @25C

OCL:  $4.7\mu\text{H} \pm 20\%$  @100KHz 10mA

Q: 15 Min @10KHz 50mV

Rated current: 47.0A Max (Based on 50°C Rise in Temp)

I<sub>sat</sub>: 37.0A Typ (Based on 30% drop in OCL Max)

DCR: 1.84mOhms Max at +25C

SRF: 15 MHz Min

DOC. REV: A/2

<b>XFMRS Inc</b> <a href="http://www.XFMRS.com">www.XFMRS.com</a>	Title: <b>SMD Flat Wire High Current Inductor</b>		
	UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx $\pm 0.25$ Dimensions in MM	P/N: XFHCL35-4R7M	REV. A
SHEET 1 OF 1	APP. BSJ	YK Liao	Sep-29-15