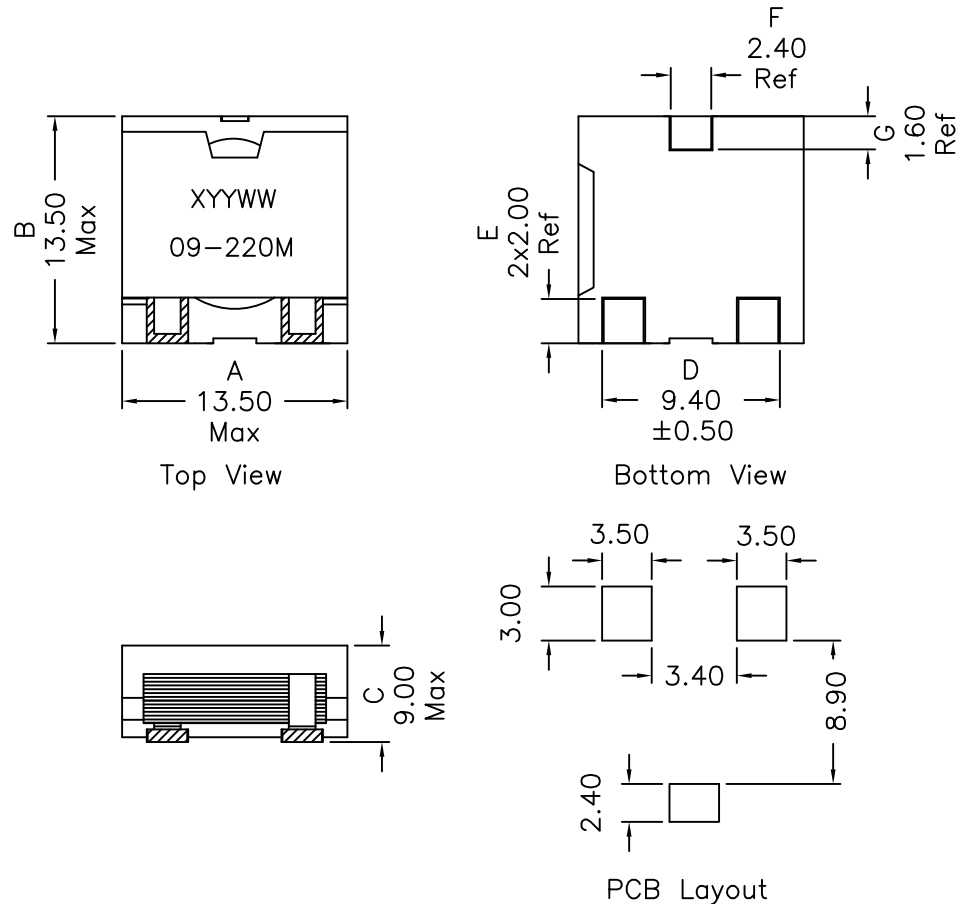


## 1. Mechanical Dimensions:

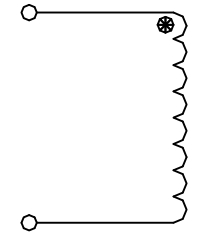


### Notes:

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: -40°C to +85°C
6. Ambient temperature -40°C to +85°C with (40°C rise) Irms current. Maximum part temperature +125°C (ambient + temp rise)
7. Storage Temperature Range: -40°C to +125°C
8. Aqueous wash compatible
9. SMD Lead Coplanarity: 0.004" (0.102mm) Max
10. Electrical and mechanical specifications 100% tested
11. RoHS Compliant Component

DOC. REV: A/1

## 2. Schematic:



## 3. ELECTRICAL SPECIFICATIONS: @25°C

OCL: 22uH±20% @100KHz 0.1V

Q: 18 Min @100KHz 0.1V

Isat: 6.08A (Based on 10% OCL Drop)

6.80A (Based on 20% OCL Drop)

7.36A (Based on 30% OCL Drop)

Irms: 7.7A (Based on 40°C Temp. Rise)

DCR: 23.1 mOhms Max

SRF: 20.3MHz Typ

<b>XFMRS Inc</b> www.XFMRS.com		Title: <b>Shielded Power Inductor</b>	
UNLESS OTHERWISE SPECIFIED		P/N: XF121209-220M	REV. A
TOLERANCES: .xx ±0.25		DWN. Huo	Nov-13-17
Dimensions in MM		CHK. YK Liao	Nov-13-17
SHEET 1 OF 1		APP. DDC	Nov-13-17