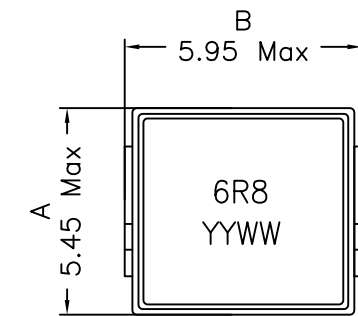
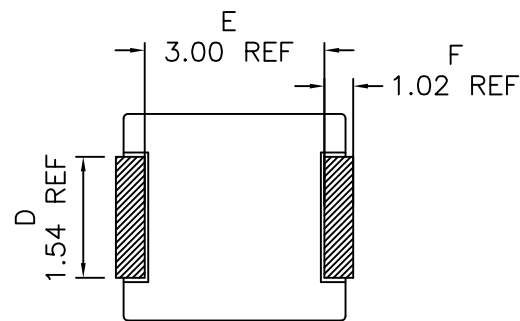
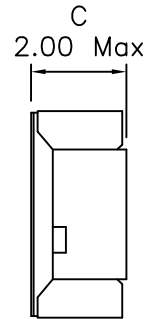


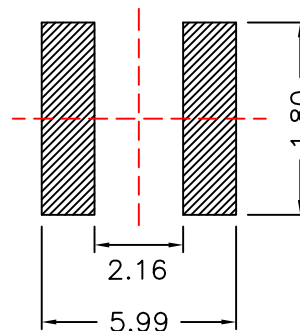
## 1. Mechanical Dimensions:



Top view



Bottom view



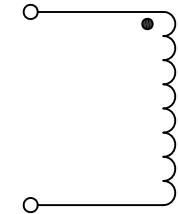
Land Patterns

### 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 -55°C to +125°C
6. Storage Temperature Range: -55°C to +125°C
7. Aqueous wash compatible
8. SMD Lead Coplanarity:  $\pm 0.004"$  (0.102mm)
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component
11. Recommended IR Reflow peak temp of 250C Max.
12. Outsourced item processed & controlled under XFMRs QA system

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## 2. Schematic:



## 3. Electrical Specifications: @25°C

OCL: 6.8uH $\pm$ 20% @100KHz 0.1V

Q: tbd Min @100KHz 0.1V

DCR: 150 mOhms Max

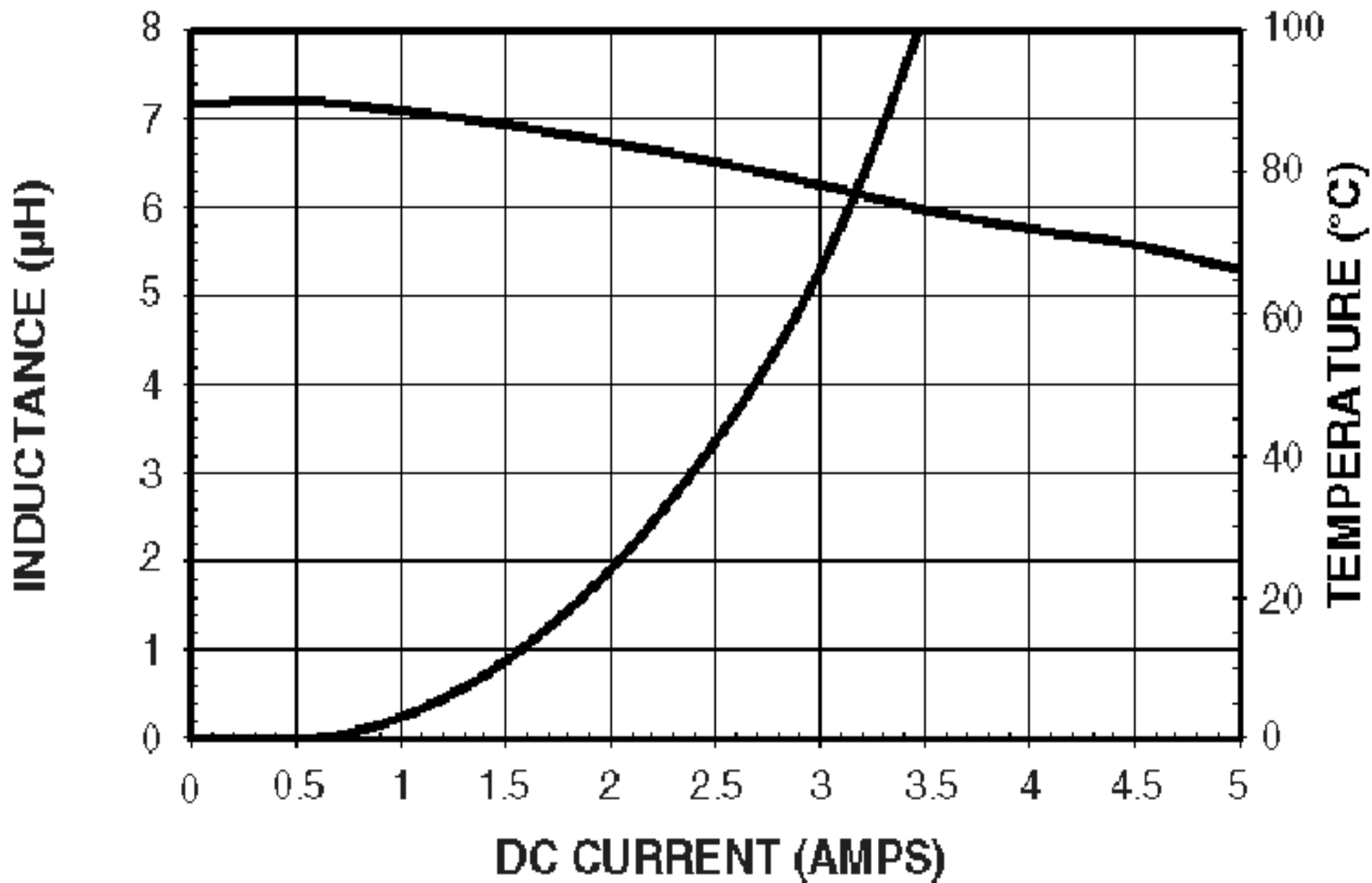
Isat: 3.8Adc (Based on 20% Typ drop in OCL)

Irms: 2.4Adc (Based on 40°C Temp Rise typical)

**PROPRIETARY**

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|                                                                                 |                   |                                  |           |
|---------------------------------------------------------------------------------|-------------------|----------------------------------|-----------|
| <b>XFMRs Inc.</b><br><a href="http://www.XFMRs.com">www.XFMRs.com</a>           |                   | Title: <b>SMT POWER INDUCTOR</b> |           |
| UNLESS OTHERWISE SPECIFIED<br>TOLERANCES:<br>.xx $\pm$ 0.25<br>Dimensions in MM | P/N: XFHCL22-6R8M |                                  | REV. A    |
|                                                                                 | DWN.              | Yuan                             | Oct-21-13 |
|                                                                                 | CHK.              | YK Liao                          | Oct-21-13 |
| SHEET 1 OF 2                                                                    | APP.              | DDC                              | Oct-21-13 |



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|                                                                                                                                                                      |                           |         |           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------|-----------|
| XFMRS Inc.<br><a href="http://www.XFMRS.com">www.XFMRS.com</a><br><br>UNLESS OTHERWISE SPECIFIED<br>TOLERANCES:<br>.xx ±0.25<br>Dimensions in MM<br><br>SHEET 2 OF 2 | Title: SMT POWER INDUCTOR |         |           |
|                                                                                                                                                                      | P/N: XFHCL22-6R8M         |         | REV. A    |
|                                                                                                                                                                      | DWN.                      | Yuan    | Oct-21-13 |
|                                                                                                                                                                      | CHK.                      | YK Liao | Oct-21-13 |
|                                                                                                                                                                      | APP.                      | DDC     | Oct-21-13 |

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