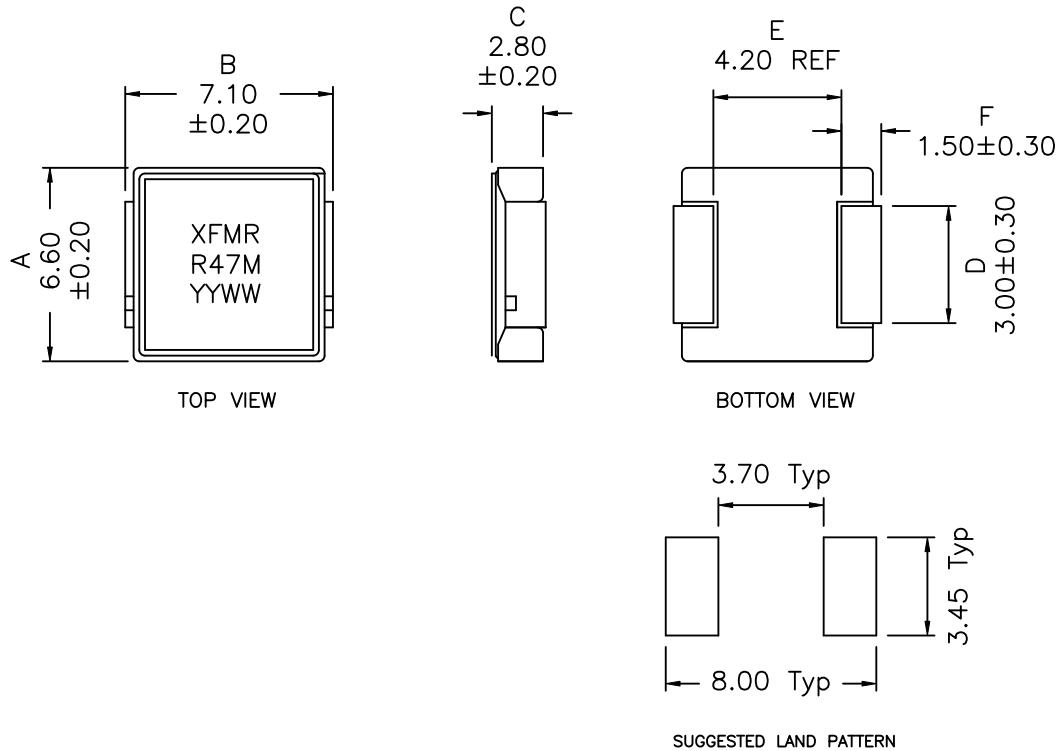
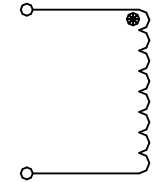


## 1. Mechanical Dimensions:



## 2. Schematic:



## 3. Electrical Specifications: @25°C

OCL: 0.47uH±20% @100KHz, 1.0V

Q: 12 Min @100KHz, 0.25V

DCR: 4.2 mOhms Max

Irms: 17.5A Typ (Based on 40°C Typ Temp Rise)

Isat: 26.0Adc Typ (Based on 30% Typ drop in OCL)

SRF: 30MHz Min

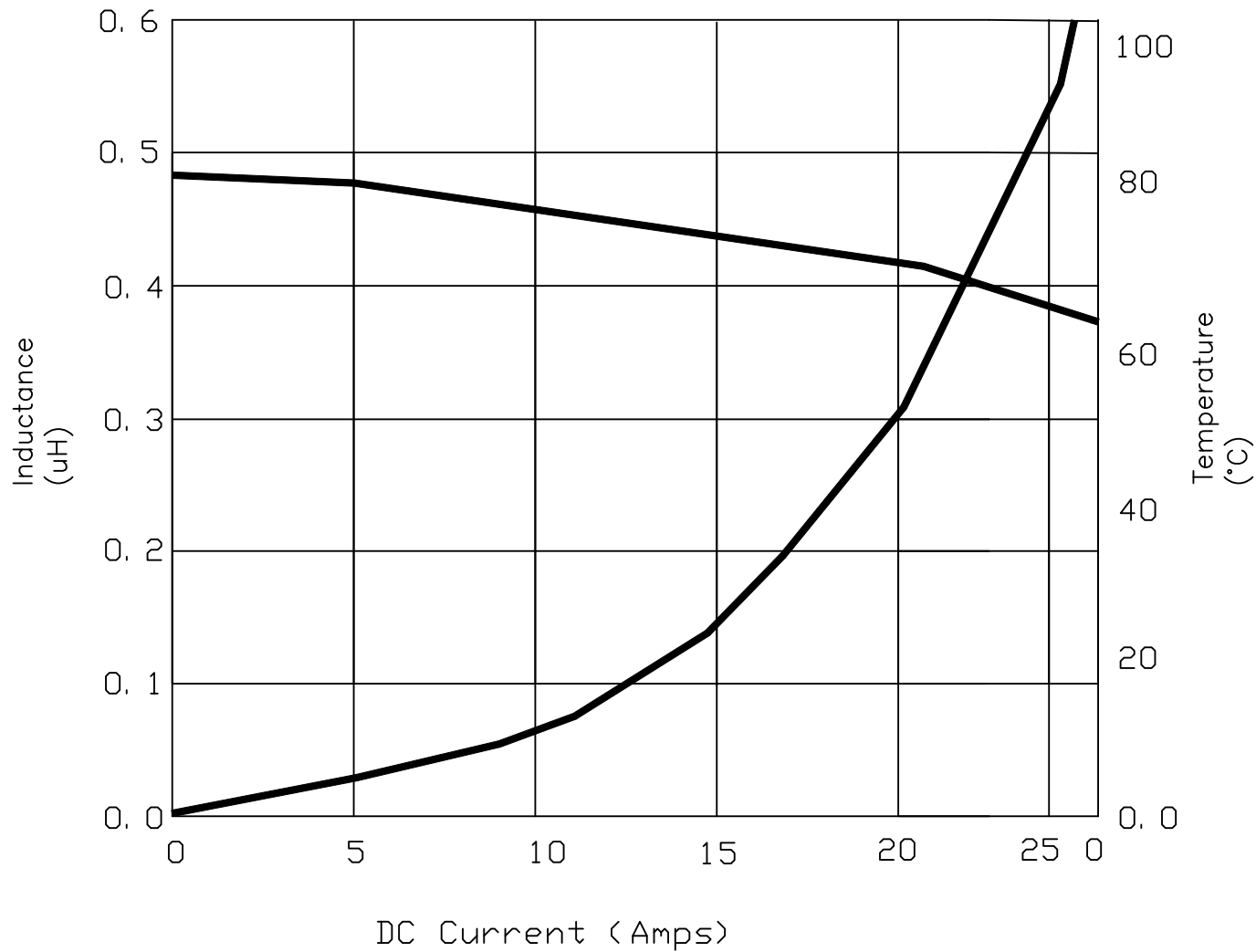
Rated Voltage: 75V

### 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 :-55°C to +125°C
- Storage Temperature Range: -55°C to +125°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 250°C Max.
- Outsourced item processed & controlled under XFMR QA system
- MSL 1

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|                          |  |                  |           |
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| XFMR Inc<br>www.XFMR.com | Title: MAGNETICALLY SHIELDED<br>HIGH CURRENT INDUCTOR                      |                  |           |
|                          | UNLESS OTHERWISE SPECIFIED<br>TOLERANCES:<br>.xx ±0.25<br>Dimensions in MM | P/N: XFHCL6-R47M | REV. A    |
| SHEET 1 OF 2             | DWN.   | Huo              | Feb-06-23 |
|                          | CHK.   | YK Liao          | Feb-06-23 |
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|   | CHK.   | YK Liao          | Feb-06-23 |
| SHEET 2 OF 2  | APP.   | AM               | Feb-06-23 |