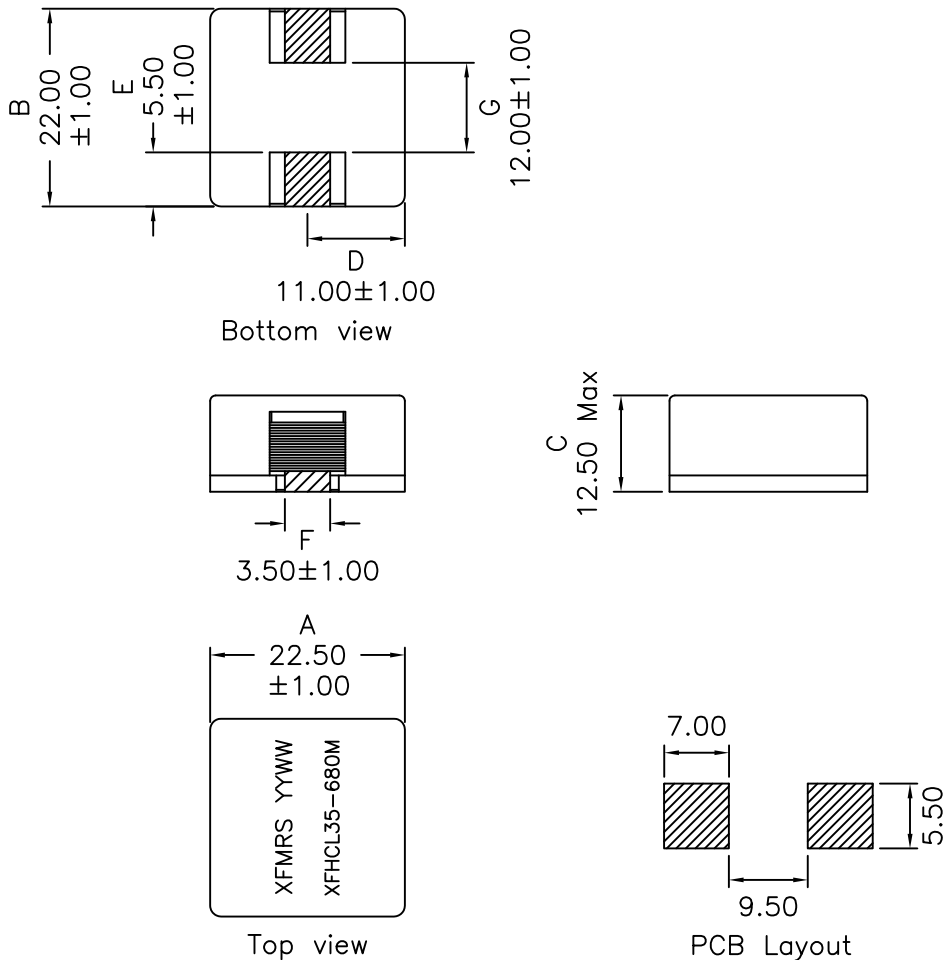
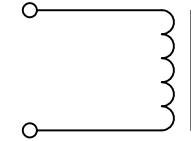


1. Mechanical Dimensions:



2. Schematic:



3. Electrical Specifications: @25°C

OCL: $68\mu\text{H} \pm 20\%$ @100KHz, 10mA

Q: 5 Min @10KHz, 50mV

Rated inductance: $66\mu\text{H}$ Typ @100KHz, 10mA @7.5A

Rated current: 7.5A Max (Based on 50°C Rise in Temp)

Isat: 9.50A Typ (Based on 30% drop in OCL Max)

DCR: 27.30 mOhms $\pm 10\%$

SRF: 5.0MHz Typ

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 $+125^\circ\text{C}$
- Ambient Temperature: -40°C to $+85^\circ\text{C}$
- Storage Temperature Range: -20°C to $+40^\circ\text{C}$
- Aqueous wash compatible
- SMD Lead Coplanarity: $\pm 0.004''$ (0.102mm)
- Electrical and mechanical specifications 100% tested
- RoHS Compliant Component
- Recommended IR Reflow peak temp of 235°C Max.

DOC. REV: A/3

| | | | |
|--|--|-------------------|-----------|
| XFMRS Inc www.XFMRS.com | Title: WE-HCI SMD Flat Wire High Current Inductor | | |
| | UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ± 0.25 Dimensions in MM | P/N: XFHCL35-680M | REV. A |
| SHEET 1 OF 1 | DWN. | Yuan | Apr-22-15 |
| | CHK. | YK Liao | Apr-22-15 |
| | APP. | BSJ | Apr-22-15 |