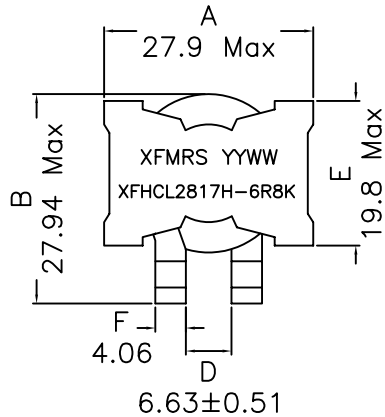
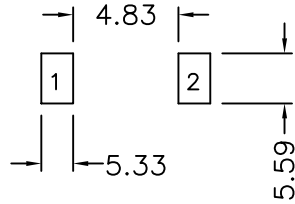


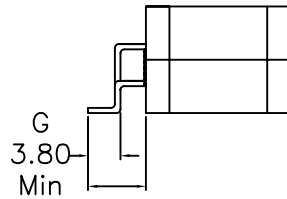
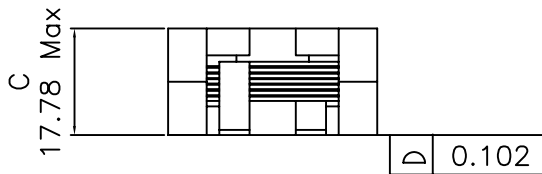
## 1. Mechanical Dimensions:



TOP VIEW



Recommended Land Pattern

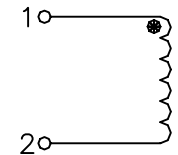


### Notes:

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 +85°C
6. Storage Temperature Range: -55°C to +125°C
7. Aqueous wash compatible
8. SMD Lead Coplanarity: ±0.004"(0.102mm)
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component

DOC REV: A/2

## 2. Schematic:



## 3. Electrical Specifications:

OCL: 6.8uH±10% @500KHz 0.1V

Q: 20 Min @100KHz, 0.1V

DCR: 2.60 mOhms Nom 2.86 mOhms Max

Isat: 42.0Adc (Based on 10% Typ Drop in OCL)

45.0Adc (Based on 20% Typ Drop in OCL)

45.9Adc (Based on 30% Typ Drop in OCL)

Irms: 28.0A (Based on 40°C Temp Rise)

SRF: 25MHz Typ

<b>XFMRs Inc</b> www.XFMRs.com	Title: HIGH CURRENT INDUCTOR		
	UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.25 Dimensions in MM	P/N:XFHCL2817H-6R8K	REV. A
SHEET 1 OF 1	DWN.	Mei Chen	May-06-10
	CHK.	YK Liao	May-06-10
	APP.	BW	May-06-10

**PROPRIETARY**

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