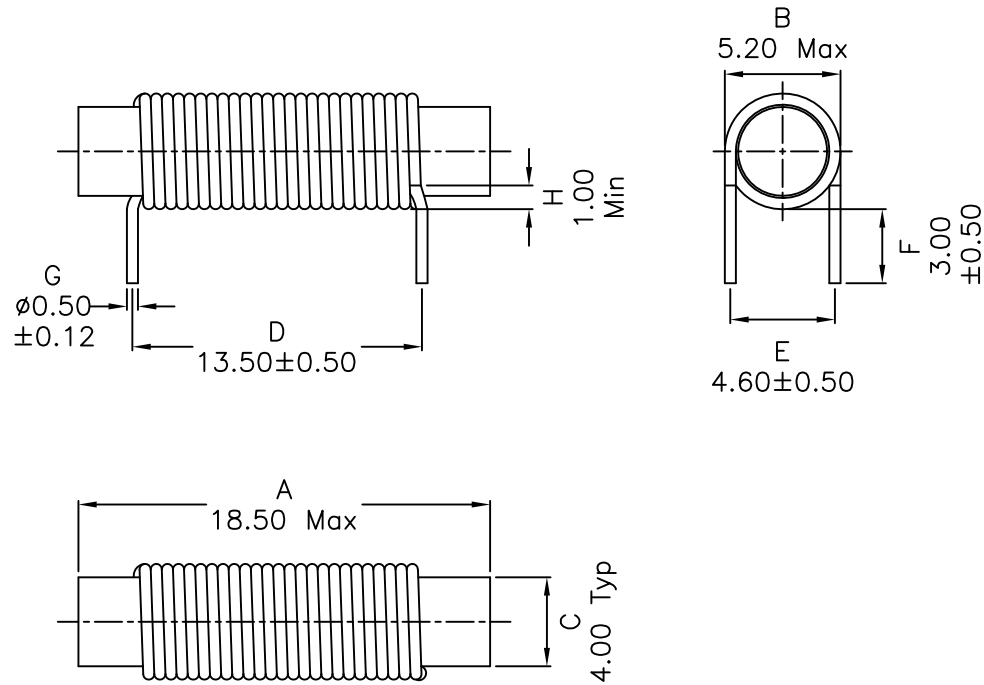
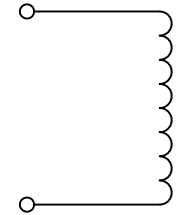


## 1. Mechanical Dimensions:



## 2. Schematic:



## 3. Electrical Specifications: @25°C

OCL: 10uH±25% @10KHz, 5mA

Rated current: 2.5A Typ (Based on a 40°C rise)

DCR: 33 mOhms ±20%

Q: tbd Min @10KHz, 5mA

SRF: 45MHz Typ

### 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 +150°C  
Ambient temperature : -40°C to +110°C
6. Storage Temperature Range: -20°C to +40°C
7. Aqueous wash compatible
8. Electrical and mechanical specifications 100% tested
9. RoHS Compliant Component

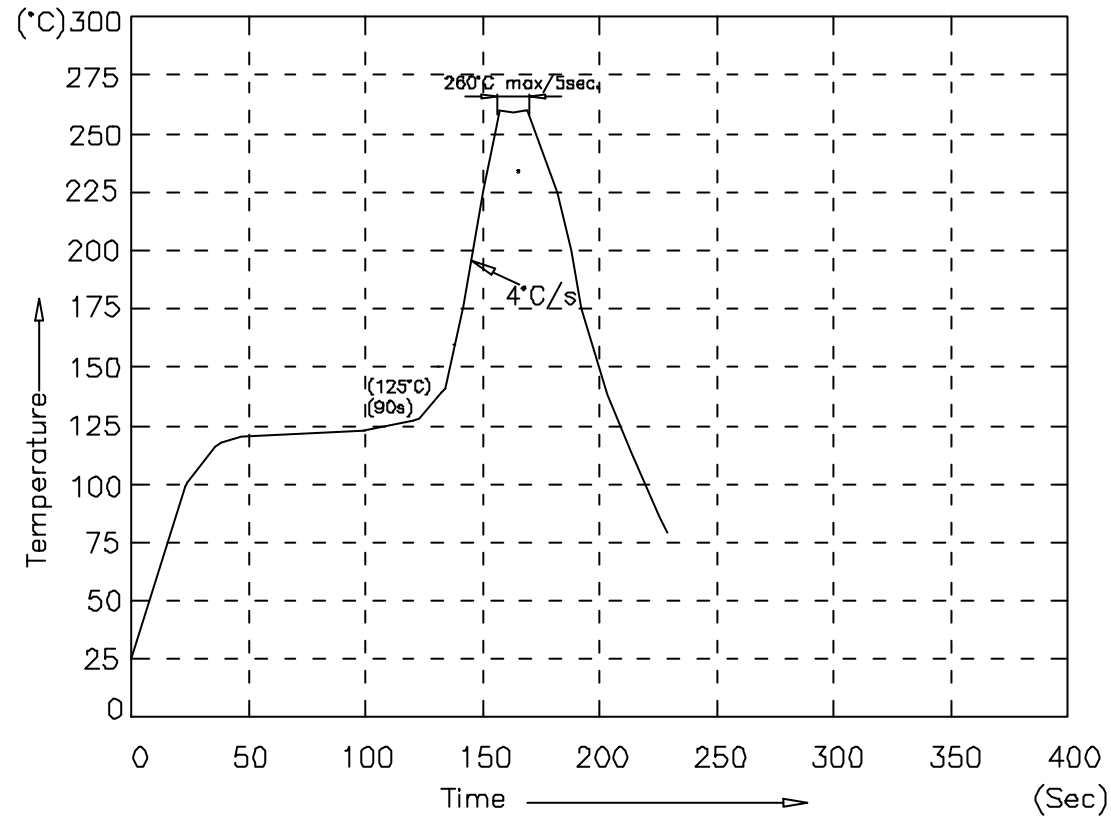
DOC REV: A/-

**PRELIMINARY**

<b>XFMRs Inc.</b> www.XFMRS.com	Title: Rod Core Inductor		
	UNLESS OTHERWISE SPECIFIED TOLERANCES:	P/N: XF0106-RCL	REV. A
.xx ±0.25	DWN.	Mei Chen	Mar-03-17
Dimensions in MM	CHK.	YK Liao	Mar-03-17
SHEET 1 OF 1	APP.	GL	Mar-03-17

XFMRs Ltd.

Recommended wave soldering profile  
for Lead-free Through-hole component.



NOTE:

1. Recommend the wave temperature 245°C–260°C. The maximum soldering temperature should be less than 260°C
2. Do not apply stress on plastics when temperature is over 85°C
3. The soldering profile applies to the lead free soldering (Sn/Cu alloy).
4. No more than 1 cycle.

DOC. REV B

**PROPRIETARY**

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<b>XFMRs Inc.</b> <a href="http://www.XFMRs.com">www.XFMRs.com</a>	Title: Soldering profile		
	UNLESS OTHERWISE SPECIFIED TOLERANCES: N/A		P/N: TH component
	DWN.	Juan Mao	Jan-20-07
	CHK.	YK Liao	Jan-20-07
SHEET 1 OF 1	APP.	BW	Jan-20-07