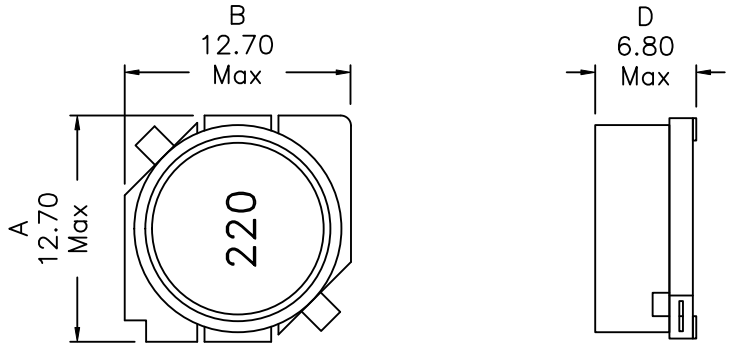
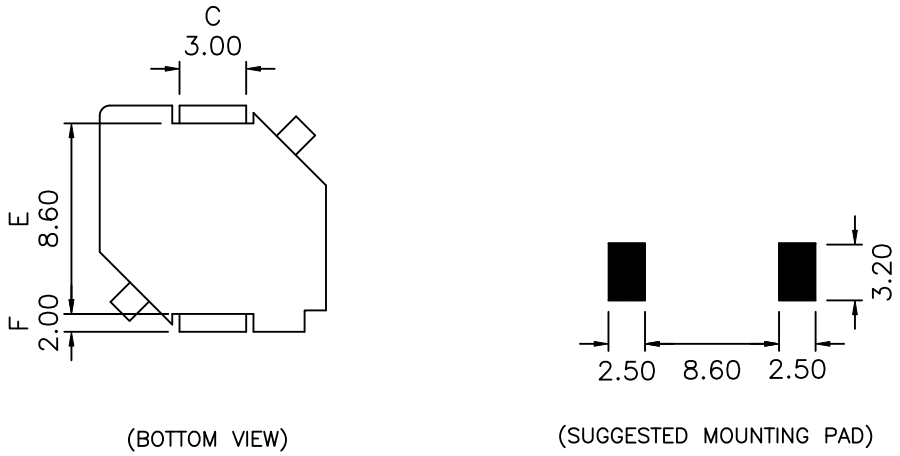
1. Mechanical Dimensions:

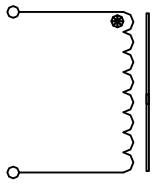




(BOTTOM VIEW)

(SUGGESTED MOUNTING PAD)

2. Schematic:



3. Electrical Specifications: @25°C

OCL: 22uH±20% @1.0KHz 0.25V

Q: tbd Min @1.0KHz 0.25V

DCR: 31.6±20% mOhms

Isat: 3.50Adc Max (Based on 30% Max drop in OCL)

Irms: 3.50Adc (Based on 40°C Temp Rise)

SRF: tbd Min

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 +85°C
6. Storage Temperature Range: -55°C to +125°C
7. Aqueous wash compatible
8. SMD Lead Coplanarity: 0.004"(0.102mm) Max
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component
11. Recommended IR Reflow peak temp of 260°C Max.

DOC. REV: A/3

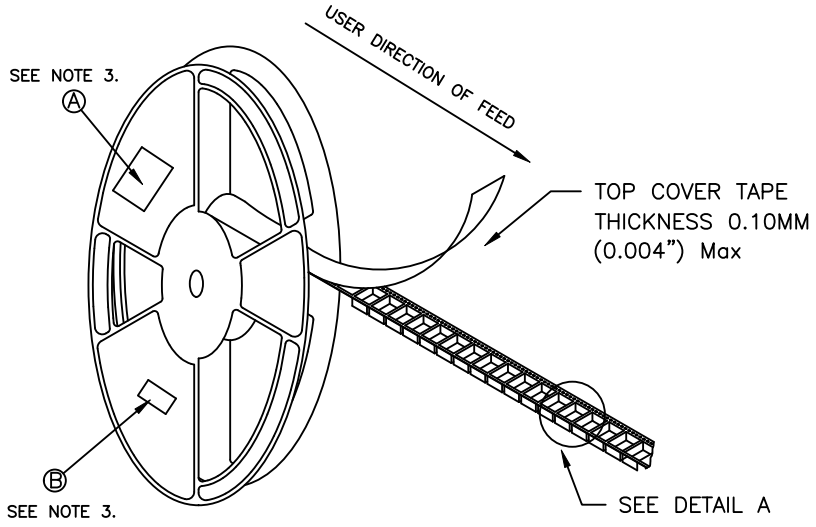
PROPRIETARY Document is the property of XFMRS Group & is not allowed to be duplicated without authorization.

XFMRS Inc www.XFMRS.com	Title: SHIELDED INDUCTOR		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx. ±0.25 Dimensions in MM	P/N: XF12565S-220M		REV. A
	DWN.	Huo	Mar-25-20
	CHK.	YK Liao	Mar-25-20
SHEET 1 OF 1	APP.	DDC	Mar-25-20

TAPE AND REEL SPECIFICATION:

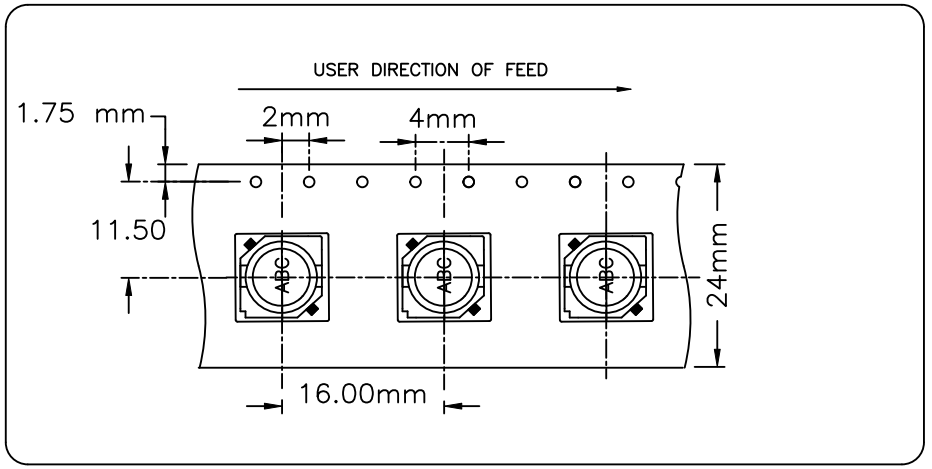
NOTES:

1) PROCESS IN ACCORDANCE WITH EIA-481-2 STANDARDS
   * TAPE LEADER DIMENSION 15.30" MIN.
   * TAPE TRAILER DIMENSION 6.30" MIN.
2) PARTS SHOULD BE PACKAGED IN ACCORDANCE WITH ESD GUIDELINES IN EIA-541.
3) REEL LABEL: 'A' * PART NUMBER
   * QUANTITY
   * DATE CODE
   'B'- ANTI-STATIC CAUTION LABEL
4) 500pcs PER 13" REEL



REEL AND TAPE ORIENTATION

DETAIL A



13" REEL DIAMETER

FOR PARTS:

XF12565S Series

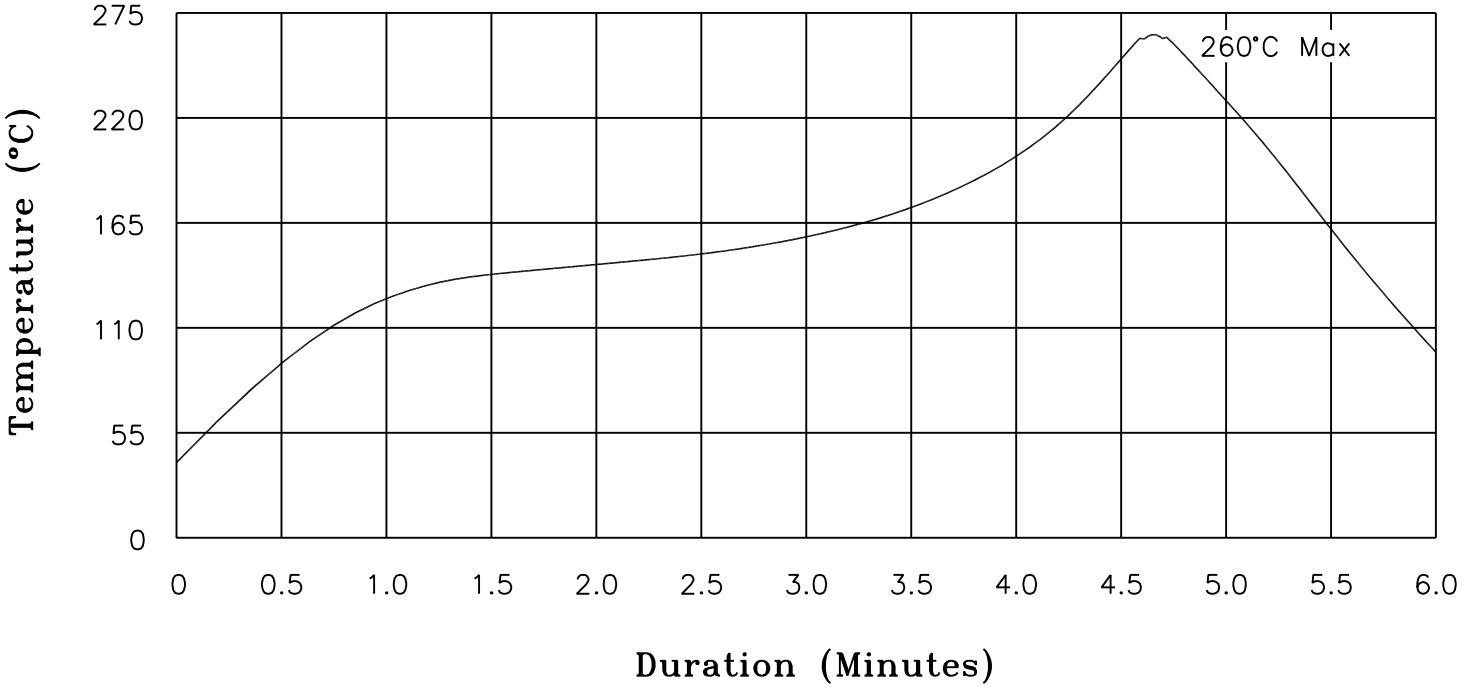
DOC. REV. A/2

XFMRS Inc	Title: T&R SPEC		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx .0.10 Dimensions in mm	P/N: XF12565S series		REV. A
	DWN.	YK Liao	Mar-24-20
	CHK.	Sunyi	Mar-24-20
SHT 1 OF 1	APP.	DDC	Mar-24-20

THIS DOCUMENT IS STRICTLY NOT ALLOWED TO BE DUPLICATED WITHOUT AUTHORIZATION

XFMRS

Recommended Infrared Reflow Temperature Profile for RoHS Compliant Parts



NOTES: Maximum duration at 260°+0/−5° with 10 seconds Max.
Maximum duration above 217° shall be 60−150 seconds.
ALL Temperatures refer to topside of the package, measured on the package body surface.

XFMRS Inc www.XFMRS.com	Title: IR REFLOW CHART (RoHS Compliant parts)		
UNLESS OTHERWISE SPECIFIED TOLERANCES: N/A	P/N: N/A		REV. A
	DWN.	Juan Mao	Jan−16−05
	CHK.	YK Liao	Jan−16−05
SHEET 1 OF 1	APP.	MS	Jan−16−05

PROPRIETARY Document is the property of XFMRS Group & is not allowed to be duplicated without authorization.