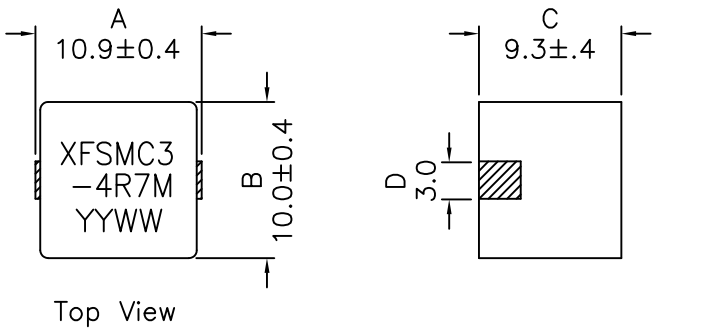
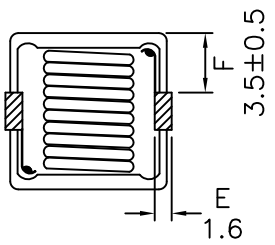
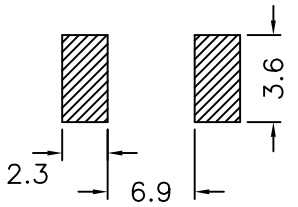
1. Mechanical Dimensions:



Top View

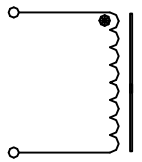


Bottom View



Typical Pad Layout (Min)

2. Schematic:



3. Electrical Specifications: @25°C

OCL: 4.7uH±20% @100KHz 10mA

Q: 8 Min @100KHz 10mA

DCR: 8.2 mOhms±10% (note 11)

Irms: 13.0A (Based on 40°C Temp Rise)

Isat: 15.0Adc (Based on 30% Typ drop in OCL)

SRF: 49MHz 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 Range: All listed parameters are to be within tolerance from −40°C to +125°C
6. Storage Temperature Range: −40°C to +60°C
7. Aqueous wash compatible
8. SMD Lead Coplanarity: ±0.004"(0.102mm)
9. Electrical and mechanical specifications 100% tested
10. RoHS Compliant Component
11. DCR is measured at solder joint, not on terminal
12. Max Inductor temp should not exceed 125°C
13. Recommended IR Reflow peak temp of 245C Max.

DOC. REV: A/2

XFMRS Inc www.XFMRS.com	Title: INDUCTOR		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.25 Dimensions in MM	P/N: XFSMC3−4R7M		REV. A
	DWN.	Yuan	Jul−08−13
	CHK.	YK Liao	Jul−08−13
SHEET 1 OF 1	APP.	DDC	Jul−08−13

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