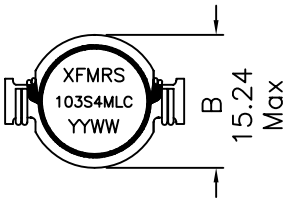
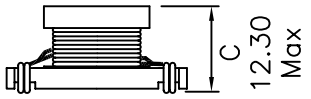
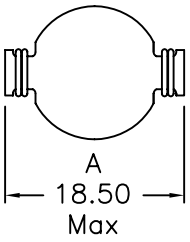
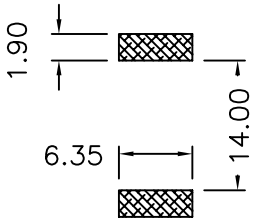
1. Mechanical Dimensions:





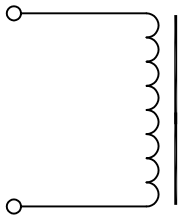


(BOTTOM VIEW)



(SUGGESTED MOUNTING PAD)

2. Schematic:



3. Electrical Specifications:@25°C

INDUCTANCE: 10uH±20% @100KHz 0.10V

Q: 6 Min @100KHz 0.10V

DCR: 13 mOhms Max

SRF: 8MHz Min

Isat: 17.8Adc (OCL drops 10% Typ)

Irms: 8.6A (Avg current for 40°C rise over ambient)

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

XFMRS Inc. www.XFMRS.com	Title: XFxxxS4MLC SERIES INDUCTORS		
UNLESS OTHERWISE SPECIFIED TOLERANCES: .xx ±0.20 Dimensions in MM	P/N: XF103S4MLC		REV. A
	DWN.	Feng	Mar-08-11
	CHK.	YK Liao	Mar-08-11
SHEET 1 OF 1	APP.	BW	Mar-08-11

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