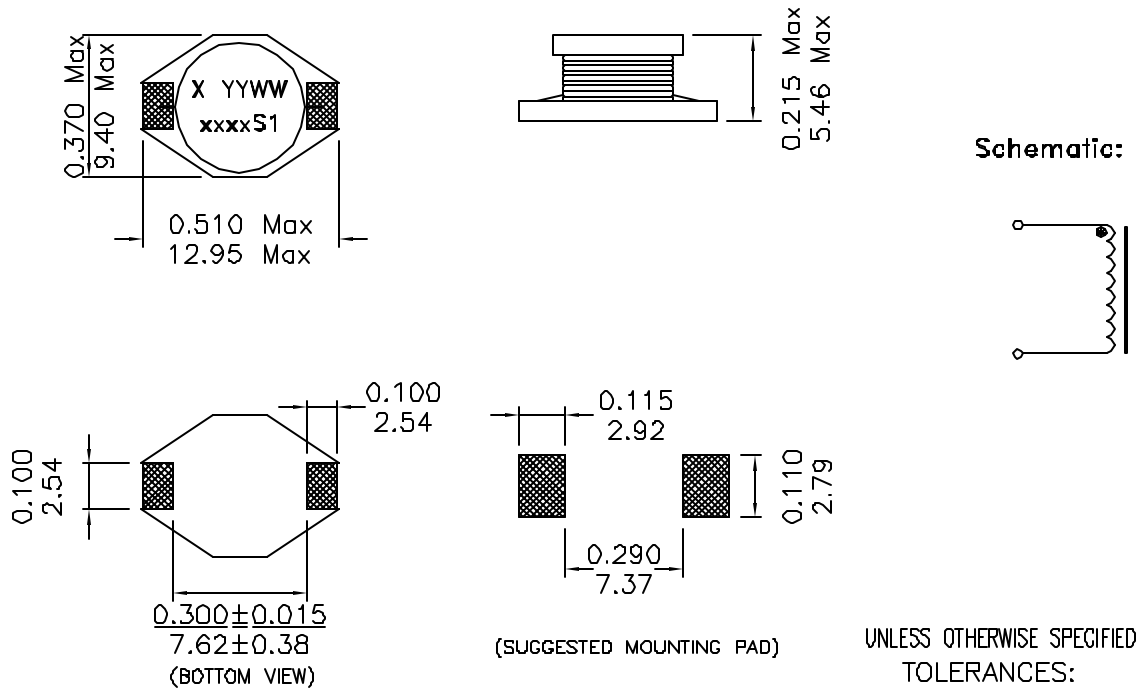


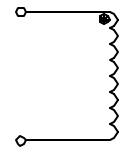
XFSMD1 SERIES INDUCTORS

- * True Surface Mount Design
- * Low Cost, Extremely High Quality Product
- * Tape & Reel Packaging Standard, 650 Pcs per 13" Reel
- * High Inductance, High Power Ratings For Your Laptop, Palmtop, Point of Power Application
- * Custom Versions Available At No Extra Charge
- * RoHS Compliant

Mechanical Dimensions:



Schematic:



(SUGGESTED MOUNTING PAD)

UNLESS OTHERWISE SPECIFIED
 TOLERANCES:
 .xxx ±0.010 INCH
 Dimensions in INCH/MM

XFSD1 SERIES INDUCTORS

Electrical Specifications @ 25°C:

Part Number	INDUCTANCE μH ±20%	DCR Ohms Max	ISAT (A)	IRMS (A)	SRF (MHz) Typ
XF0016S1	1.0	0.009	9.0	6.8	100
XF0157S1	1.5	0.010	8.0	6.4	90
XF0026S1	2.2	0.012	7.0	6.1	80
XF0337S1	3.3	0.015	6.4	5.4	65
XF0477S1	4.7	0.018	5.4	4.8	45
XF0687S1	6.8	0.027	4.6	4.4	38
XF0106S1	10	0.038	3.8	3.9	30
XF0156S1	15	0.046	3.0	3.1	27
XF0226S1	22	0.085	2.3	2.7	19
XF0336S1	33	0.10	2.0	2.1	15
XF0476S1	47	0.14	1.6	1.8	12
XF0686S1	68	0.20	1.4	1.5	10
XF1006S1	100	0.28	1.2	1.3	9
XF1506S1	150	0.40	1.0	1.0	6
XF2206S1	220	0.61	0.8	0.8	5
XF3306S1	330	1.02	0.6	0.6	4.5
XF4706S1	470	1.27	0.5	0.5	3.5
XF6806S1	680	2.02	0.4	0.4	2.5
XF0013S1	1000	3.00	0.3	0.3	2

OCL TEST CONDITIONS: 100KHz 100mV

OCL DROP 10% TYP. AT Isat

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