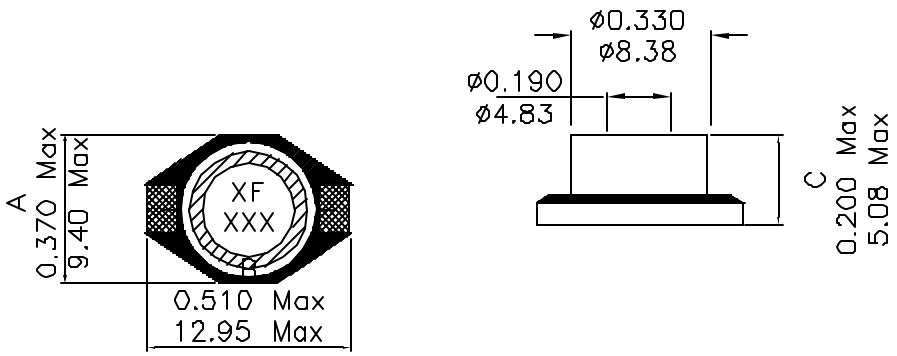
XFMRS

DWN.: Juan Mao CHK.: YK Liao APP.: MS

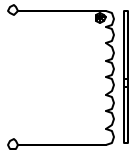
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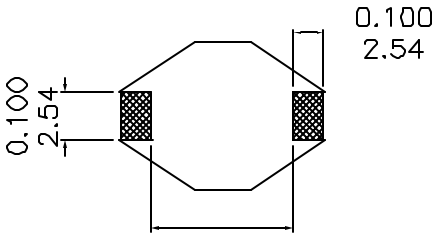
XFDS1 SERIES INDUCTORS

Mechanical Dimensions:

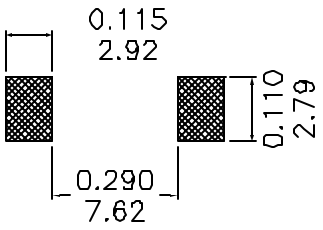


Sechematic:





0.300±0.015
7.62±0.38
(BOTTOM VIEW)



(SUGGESTED MOUNTING PAD)

Part Number	INDUCTANCE (uH ±20%)	DCR (Ohms Max)	SRF typ (MHz)	I SAT (A)	I RMS (A)
XF0016DS1	1.0	0.021	140	5.6	5.0
XF0157DS1	1.5	0.022	120	5.2	4.5
XF0227DS1	2.2	0.032	80	5.0	3.8
XF0337DS1	3.3	0.039	70	3.9	3.3
XF0477DS1	4.7	0.054	40	3.2	2.7
XF0687DS1	6.8	0.075	38	2.8	2.2
XF0106DS1	10.0	0.101	35	2.4	2.0
XF0156DS1	15.0	0.150	25	2.0	1.5
XF0226DS1	22.0	0.207	19	1.6	1.3
XF0336DS1	33.0	0.334	15	1.4	1.1
XF0476DS1	47.0	0.472	13	1.0	0.8

1. Tested @ 100KHz, 0.1 Vrms.
2. Inductance drop=10% typ. at rated Isat.
3. ΔT=15°C rise typ. at Irms.
4. Operating temperature range -40°C to +85°C.
5. Electrical Specifications at 25°C.
6. Parts/reel: 1000 Tape width:24mm

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 E151555
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

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