

XFTPRH105 Series

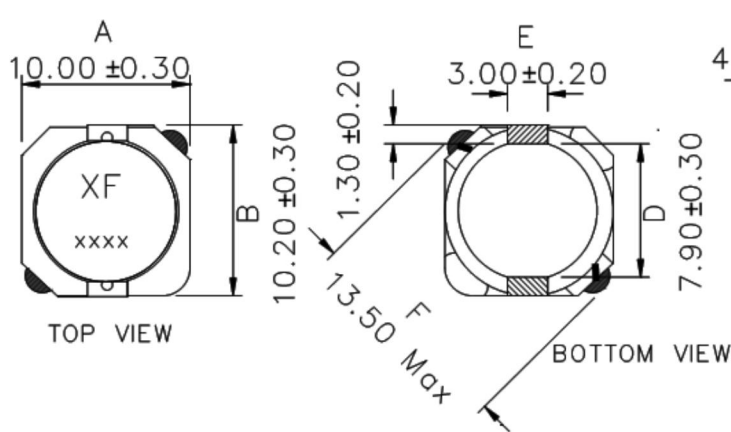
Features

SMT Power Inductors

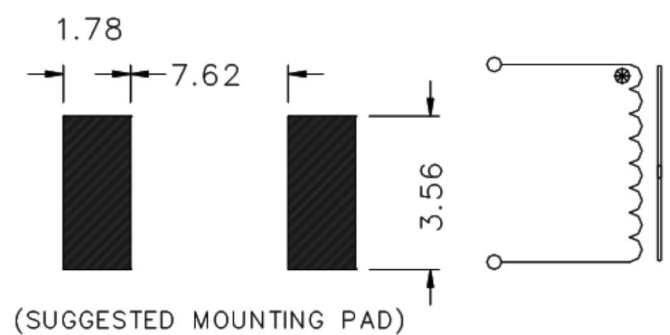


- Shielded construction
- Inductance range 0.8μH to 330μH
- Heating current up to 12A
- Dimensions: 10mm x 10.2mm x 4.8 mm
- AEC-Q200 qualified
- RoHS-compliant

Mechanical Dimensions:



Sechematic:



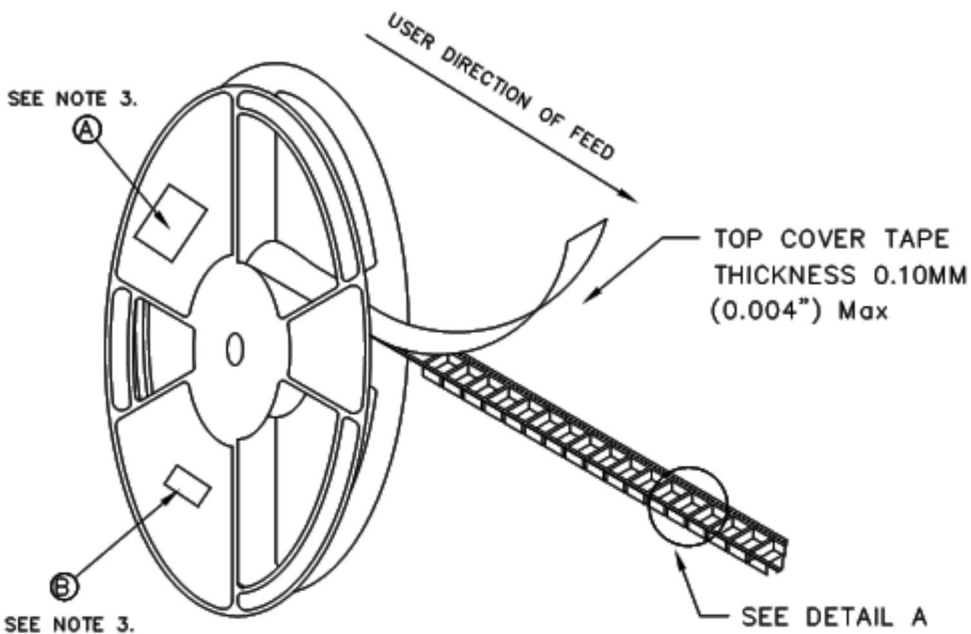
Notes:

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

PART NUMBER	INDUCTANCE μH	DCR Max mOhms	SRF Typ MHz	Isat A			Irms A	
				10% drop	20% drop	30% drop	20°C rise	40°C rise
XFTPRH105-R80_	0.8	4.3	180	9.60	12.0	14.1	8.19	12.0
XFTPRH105-1R5_	1.5	5.8	90	5.44	7.80	10.5	7.41	10.8
XFTPRH105-2R2_	2.2	7.2	70	4.92	6.62	8.40	6.63	9.78
XFTPRH105-3R3_	3.3	10.4	50	4.62	6.32	7.38	5.04	7.22
XFTPRH105-4R7_	4.7	12.3	38	4.36	5.62	6.46	4.90	6.90
XFTPRH105-6R8_	6.8	18.0	35	3.60	5.00	5.94	4.52	6.01
XFTPRH105-8R2_	8.2	20.0	28	3.14	4.14	4.84	4.38	5.71
XFTPRH105-100_	10	26.0	24	3.08	3.84	4.32	3.99	4.79
XFTPRH105-150_	15	41.0	20	2.46	3.06	3.44	3.51	4.26
XFTPRH105-220_	22	61.0	12	2.36	2.90	3.28	2.86	3.58
XFTPRH105-330_	33	84.0	11	1.66	2.14	2.42	2.12	2.80
XFTPRH105-470_	47	130	10	1.44	1.86	2.20	1.83	2.42
XFTPRH105-560_	56	149	10	1.36	1.70	1.90	1.71	2.28
XFTPRH105-680_	68	201	7.0	1.28	1.60	1.70	1.39	1.88
XFTPRH105-820_	82	227	6.0	1.08	1.44	1.64	1.23	1.67
XFTPRH105-101_	100	253	6.0	0.99	1.20	1.36	1.09	1.48
XFTPRH105-151_	150	370	5.0	0.79	1.02	1.16	0.97	1.33
XFTPRH105-181_	180	450	4.5	0.75	0.92	1.02	0.89	1.24
XFTPRH105-221_	220	500	4.5	0.67	0.84	0.95	0.85	1.18
XFTPRH105-331_	330	812	3.0	0.57	0.69	0.76	0.57	0.82

1. OCL TEST: 100KHz, 0.1V

2. ___ Please specify inductance tolerance (K±10%, L±15%, M±20%, N±30%)



REEL AND TAPE ORIENTATION

13" REEL DIAMETER

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) 700 PCS PER 13" REEL

DETAIL A

