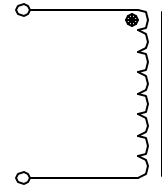


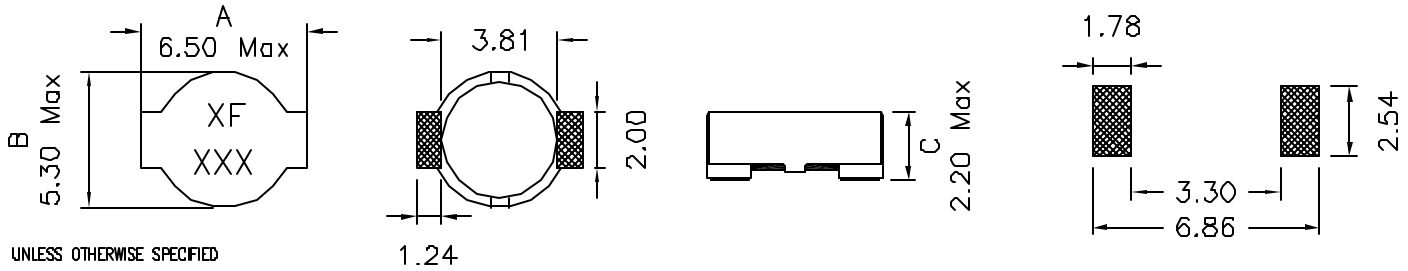
XF1606T-xxx SERIES INDUCTORS

- * STANDARD 1.80mm. ON-BOARD HEIGHT
- * TRUE SURFACE MOUNT DESIGN
- * TAPE & REEL PACKAGING STANDARD, 3500 PCS PER 13" REEL
- * CUSTOM DESIGNS AVAILABLE AT NO EXTRA CHARGE
- * ECONOMICAL LOW COST SOLUTION FOR ALL OF YOUR POWER NEEDS

Schematic:



Mechanical Dimensions:



UNLESS OTHERWISE SPECIFIED
 TOLERANCES:
 .xx ±0.020 .xxx ±0.30
 Dimensions in MM

SUGGESTED MOUNTING PAD

Part Number	Inductance (1) ($\mu\text{H} \pm 20\%$)	DCR Max (OHM)	SRF typ (MHz)	I SAT (2) (A)	I _{rms} (3) (A rms)
XF1606T-102	1.0	0.04	230	2.50	2.30
XF1606T-152	1.5	0.06	180	2.20	2.10
XF1606T-222	2.2	0.07	140	1.80	1.70
XF1606T-332	3.3	0.10	110	1.40	1.30
XF1606T-472	4.7	0.12	100	1.20	1.10
XF1606T-682	6.8	0.19	80	1.10	1.00
XF1606T-103	10	0.30	60	1.00	0.90
XF1606T-153	15	0.40	45	0.80	0.70
XF1606T-223	22	0.54	35	0.60	0.50
XF1606T-333	33	0.74	30	0.50	0.45
XF1606T-473	47	1.10	22	0.45	0.40
XF1606T-683	68	1.60	20	0.35	0.35
XF1606T-104	100	2.30	15	0.30	0.30
XF1606T-154	150	3.20	10	0.25	0.25
XF1606T-224	220	5.70	9	0.20	0.18
XF1606T-334	330	8.20	8	0.16	0.16
XF1606T-474	470	10.8	7	0.14	0.12
XF1606T-684	680	17.2	5	0.12	0.10
XF1606T-105	1000	22.6	4	0.08	0.08

- (1) Inductance test @100KHz 0.1Vrms With No DC
- (2) Inductance drop = 10% typ at rated Isat.
- (3) $\Delta T = 40^\circ\text{C}$ rise typ. at I_{rms}.
- (4) Operating temperature range -40°C to $+85^\circ\text{C}$
- (5) Flammability Rating: UL94V-0