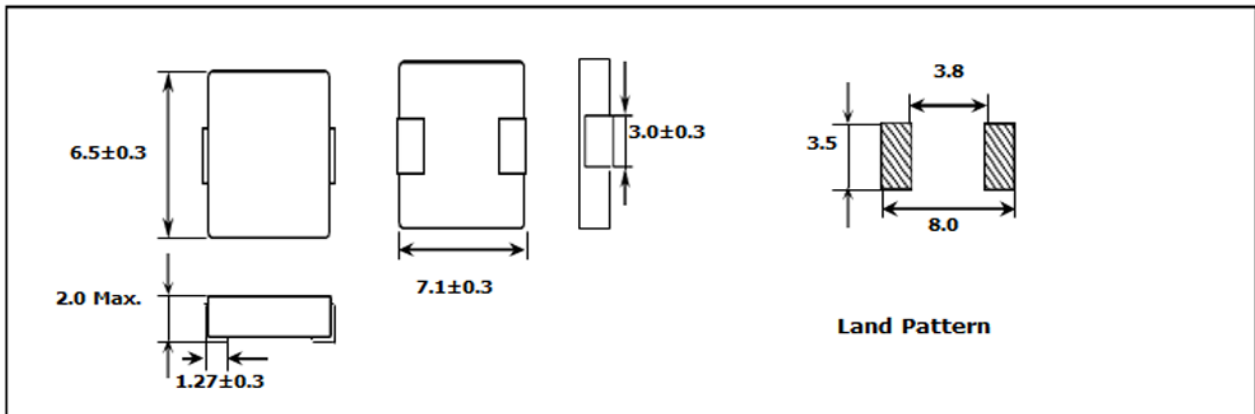


FTC38P

POWER INDUCTORS FOR SURFACE MOUNTING



SPECIFICATION

Part Number	Inductance ± 20% (uH)	DC Resistance (typ., mΩ)	DC Resistance ± 20% @ 20°C (max., mΩ)	Saturation Rated Current (max., A) ⁽¹⁾	Temperature Rise Current (typ., A) ⁽²⁾
FTC38P-R47	0.47	5.7	6.3	22.8	12.5
FTC38P-1R0	1.0	11	12	17.7	9.5
FTC38P-1R5	1.5	18.6	20.5	11.8	7.0
FTC38P-2R2	2.2	31.2	35	7.8	5.0
FTC38P-3R3	3.3	52	59.5	6.5	4.8
FTC38P-4R7	4.7	58	63	6.2	4.7
FTC38P-5R6	5.6	77.5	82	5.7	2.8
FTC38P-6R8	6.8	88	92	4.2	2.3
FTC38P-100	10	119	130	4.0	2.4

1. All Test Data is Referenced to 25°C Ambient Measuring Condition : 100kHz, 100mV Tolerance of Inductance : ± 20%

2. Saturation Rated Current : 20% lower than its initial value

3. Temperature Rise Current : ΔT = 40°C

Temperature of components should be checked in the end application

Operating Temperature: -40°C ~ 125°C

† Transient pulse not to exceed 1 millisecond.

†† Maximum operating frequency less than 10MHz, consult factory for application specific values.