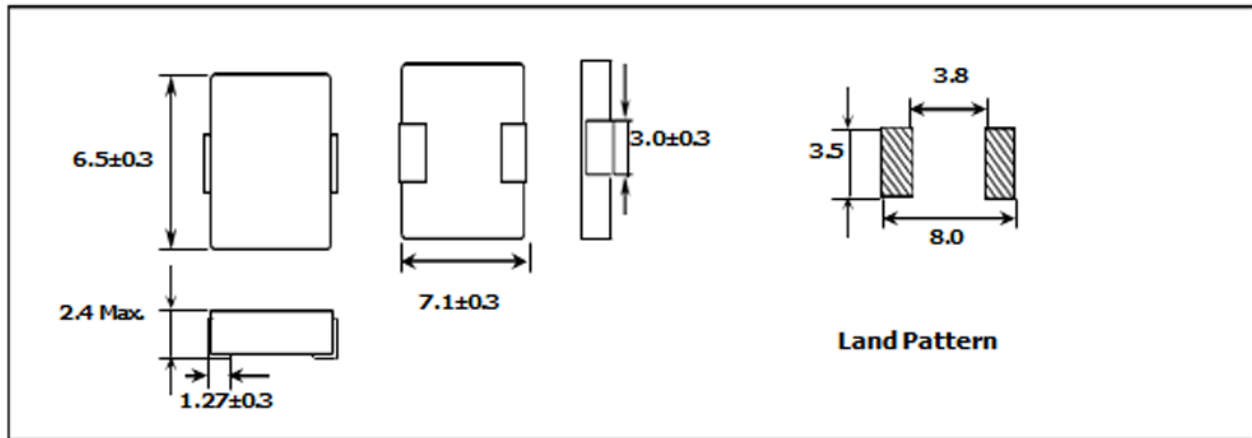


FTC39P

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⁾
FTC39P-R47	0.47	5.15	6.3	28	9.3
FTC39P-R68	0.68	6.23	8.8	15.5	8.5
FTC39P-R82	0.82	8.5	10	12.8	7.9
FTC39P-1R0	1	12.4	14.5	12	6.8
FTC39P-1R5	1.5	18.5	21	10.5	5.8
FTC39P-2R2	2.2	21.8	30	10	5
FTC39P-3R3	3.3	36.4	45	5.5	4.7
FTC39P-4R7	4.7	49.6	58	5	3.9
FTC39P-6R8	6.8	67	85	4.7	3.1
FTC39P-8R2	8.2	85.7	102	4.1	2.7
FTC39P-100	10	105.8	120	3.2	2.2

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.