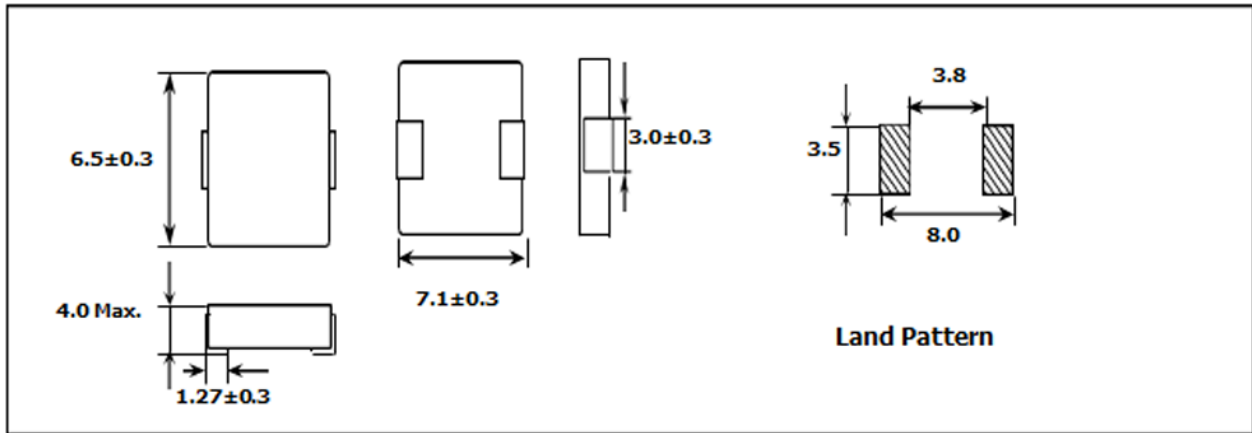


FTC41P

POWER INDUCTORS FOR SURFACE MOUNTING



SPECIFICATION

Part Number	Inductance $\pm 20\%$ (μH)	DC Resistance (typ., $\text{m}\Omega$)	DC Resistance $\pm 20\%$ @ 20°C (max., $\text{m}\Omega$)	Saturation Rated Current (max., A) ⁽¹⁾	Temperature Rise Current (typ., A) ⁽²⁾
FTC41P-R68	0.68	3.9	4.5	22.1	14.3
FTC41P-R82	0.82	4.9	5.7	18.7	12.3
FTC41P-1R0	1.0	6.3	7.5	15.9	10
FTC41P-1R5	1.5	8.8	9.2	14	9.0
FTC41P-2R2	2.2	14.5	15.9	12	8.0
FTC41P-3R3	3.3	17.6	20	11.2	6.6
FTC41P-4R7	4.7	28	30	10	5.3
FTC41P-6R8	6.8	42.3	46	7.65	4.5
FTC41P-8R2	8.2	47.5	52	6.8	4.2
FTC41P-100	10	66.8	72	5.1	3.8
FTC41P-150	15	96.4	125	4.7	2.8
FTC41P-220	22	141	150	4.1	2.2

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

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

3. Temperature Rise Current : $\Delta T = 40^\circ\text{C}$

Temperature of components should be checked in the end application

Operating Temperature : $-40^\circ\text{C} \sim 125^\circ\text{C}$

† Transient pulse not to exceed 1 millisecond.

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