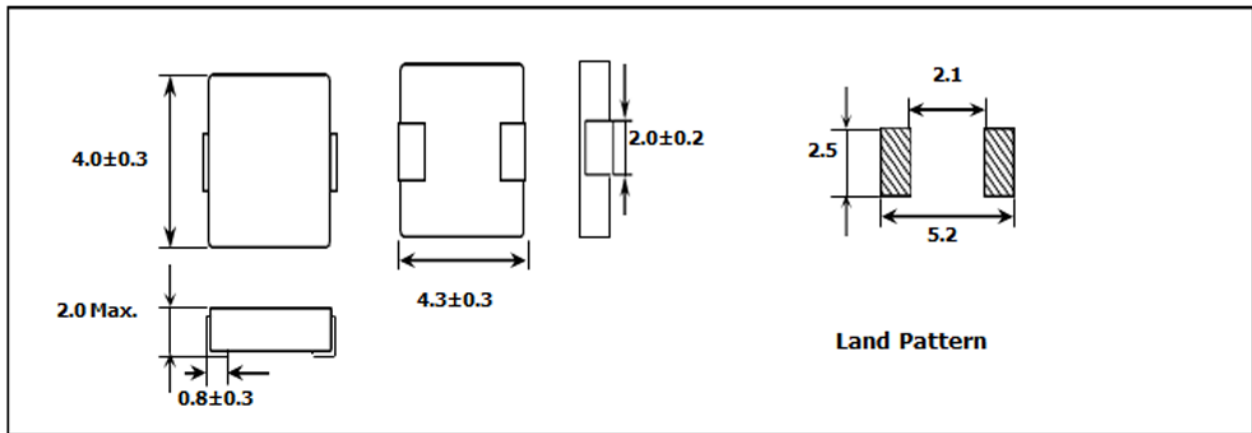


FTC35P

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⁾
FTC35P-R47	0.47	11.8	13.5	9.8	7.2
FTC35P-R68	0.68	17.5	21	8.2	5.3
FTC35P-1R0	1.0	23.8	26.8	7.5	4.6
FTC35P-1R5	1.5	35	42	6.3	4.2
FTC35P-2R2	2.2	53	60	5.1	3.0
FTC35P-3R3	3.3	80	92	3.8	2.4
FTC35P-4R7	4.7	93	104	3.0	2.2
FTC35P-6R8	6.8	136	155	2.8	1.9
FTC35P-100	10	233	270	2.5	1.6

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.