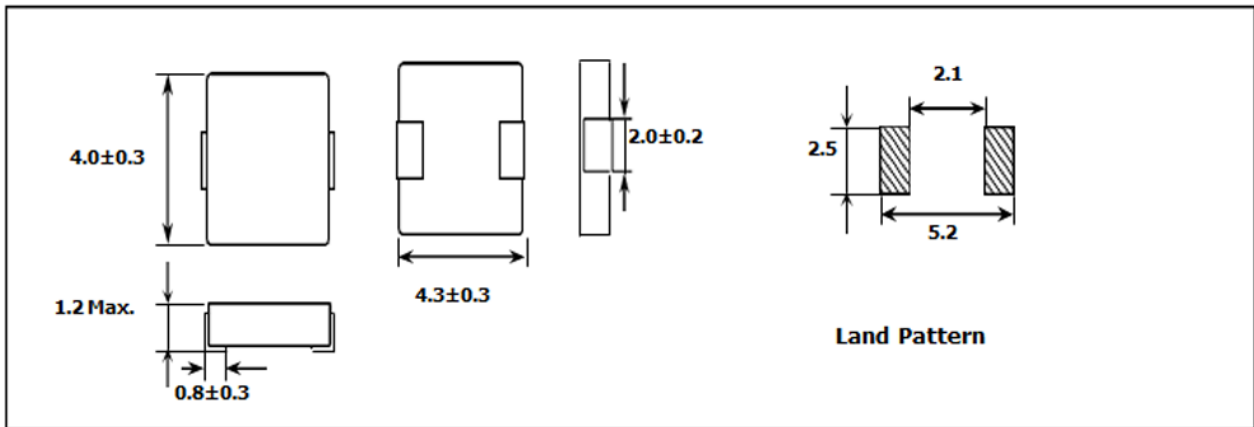


FTC34P

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⁾
FTC34P-R47	0.47	18.8	21.5	7.8	5.4
FTC34P-R68	0.68	30.5	35	7.2	4.3
FTC34P-1R0	1.0	42.5	46.8	6.5	4.0
FTC34P-1R5	1.5	65	72	5.7	3.2
FTC34P-2R2	2.2	78	85	4.3	2.5
FTC34P-3R3	3.3	140	160	3.3	2.0
FTC34P-4R7	4.7	173	185	2.5	1.7
FTC34P-6R8	6.8	300	350	2.0	1.5
FTC34P-100	10	450	500	1.6	1.3

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.