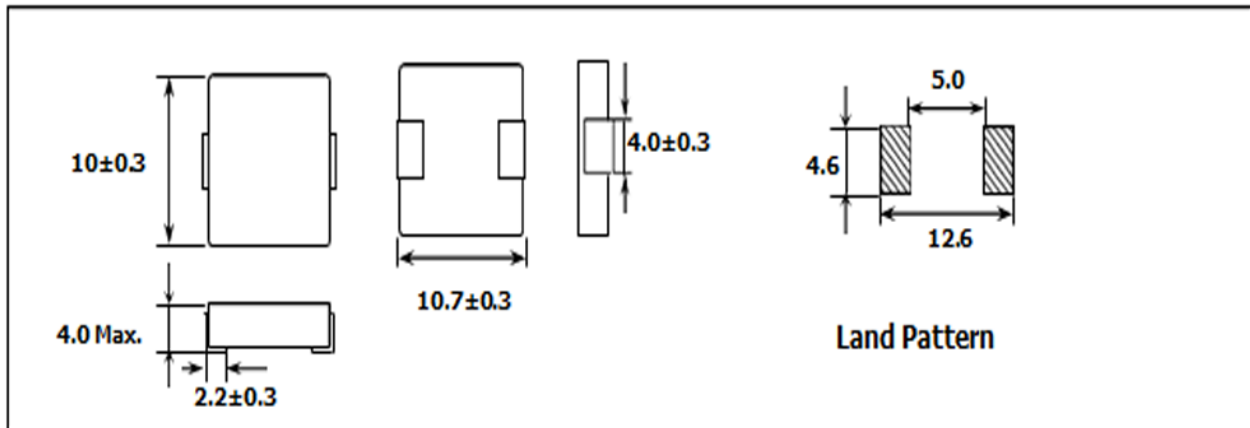


FTC42P

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⁾
FTC42P-R22	0.22	1.32	1.4	35	30
FTC42P-R33	0.33	1.47	1.5	33	24.2
FTC42P-R47	0.47	1.75	1.9	32	21.8
FTC42P-R56	0.56	1.94	2.0	31	20.3
FTC42P-R68	0.68	2.36	2.6	30	17.9
FTC42P-R82	0.82	2.85	3.3	29	16.2
FTC42P-1R0	1.0	3.9	4.05	26	13.5
FTC42P-1R5	1.5	5.5	6.5	22.5	11.5
FTC42P-1R8	1.8	6.17	7.0	19	11
FTC42P-2R2	2.2	7.9	9.2	18	10.5
FTC42P-3R3	3.3	10.4	11.7	17	9.0
FTC42P-4R7	4.7	16.5	17.5	13.5	8.0
FTC42P-5R6	5.6	18.5	21	12.5	7.0
FTC42P-6R8	6.8	22.3	23.5	11.8	6.5
FTC42P-8R2	8.2	28.5	31	10.4	5.7
FTC42P-100	10	36	37	8.5	4.6
FTC42P-220	22	62	74.4	3.4	3.0

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.