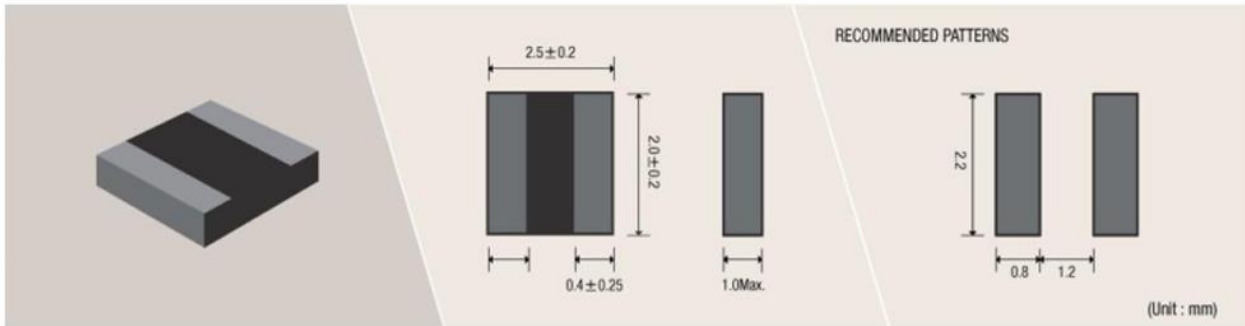


# FTC1P

POWER INDUCTORS FOR SURFACE MOUNTING



## FEATURES

- Magnetic alloy power choke coil.
- Miniature size(2.5 x 2.0) and low profile.
- Magnetic shielded.
- Low acoustic noise and high efficiency.
- Halogen Free and RoHS compliant.

## SPECIFICATION

Parts No.	Inductance ( $\mu$ H)	Tolerance (%)	DC Resistance ( $m\Omega$ ) Max.(Typ.)	Rated DC Current (A) Typ.	
				$\Delta L / L = 30\%$	$\Delta L / L = 40^\circ\text{C}$
FTC1P -R47	0.47	$\pm 20$	33.6 (28)	4.4	4.4
FTC1P -1R0	1.0	$\pm 20$	60 (50)	3.2	3.2
FTC1P -1R5	1.5	$\pm 20$	96 (80)	2.6	2.4
FTC1P -2R2	2.2	$\pm 20$	123.6 (103)	2.4	2.2
FTC1P -3R3	3.3	$\pm 20$	228 (190)	1.6	1.6
FTC1P -4R7	4.7	$\pm 20$	288 (240)	1.4	1.4
FTC1P -100	10.0	$\pm 20$	600 (500)	1.1	1.2

- Inductance is measured with the 4294A(Agilent Technologies) or equivalent. (@1 MHz, 0.1Vrms)
- DC Resistance is measured with the Digital Multimeter 3541(Hioki) or equivalent.
- Maximum allowable DC current is that which caused a 30% inductance reduction from the initial value, coil temperature to rise by  $40^\circ\text{C}$  whichever is smaller. (Ambient temp.  $20^\circ\text{C}$ )

## EXAMPLES OF CHARACTERISTICS

