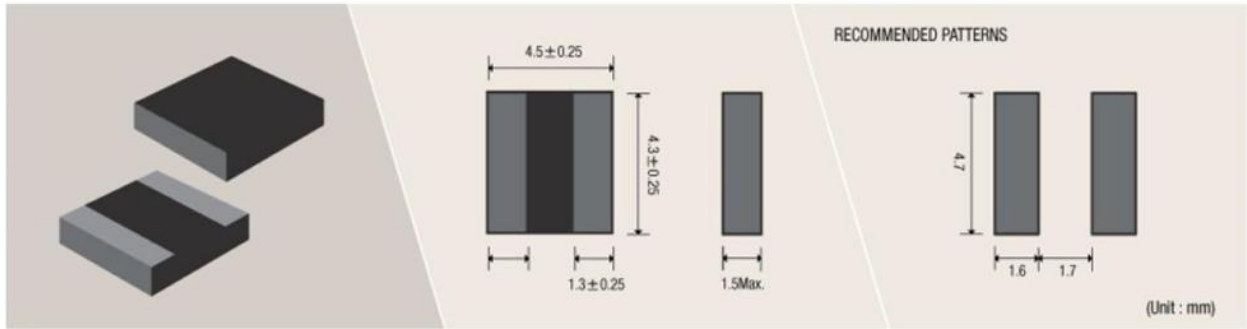


# FTC8P

POWER INDUCTORS FOR SURFACE MOUNTING



## FEATURES

- Magnetic alloy power choke coil.
- Lowest profile.
- Magnetic shielded.
- Low acoustic noise and high efficiency.
- Halogen Free and RoHS compliant.

## SPECIFICATION

| Parts No. | Inductance (μH) | Tolerance (%) | DC Resistance (mΩ)<br>Max.(Typ.) | Rated DC Current (A) Typ. |               |
|-----------|-----------------|---------------|----------------------------------|---------------------------|---------------|
|           |                 |               |                                  | ΔL / L = 30%              | ΔL / L = 40°C |
| FTC8P-R47 | 0.47            | ±20           | 12.0 (10.0)                      | 10.0                      | 7.0           |
| FTC8P-1R0 | 1.0             | ±20           | 26.4 (22)                        | 5.6                       | 5.0           |
| FTC8P-2R2 | 2.2             | ±20           | 45 (38)                          | 5.2                       | 4.0           |
| FTC8P-3R3 | 3.3             | ±20           | 66 (55)                          | 4.0                       | 3.2           |
| FTC8P-4R7 | 4.7             | ±20           | 96 (80)                          | 3.4                       | 2.7           |
| FTC8P-6R8 | 6.8             | ±20           | 120 (100)                        | 2.8                       | 2.4           |
| FTC8P-100 | 10.0            | ±20           | 180 (180)                        | 2.4                       | 1.9           |
| FTC8P-200 | 22.0            | ±20           | 455 (380)                        | 1.6                       | 1.3           |

- 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°C whichever is smaller. (Ambient temp. 20°C)

## EXAMPLES OF CHARACTERISTICS

