

APE-T Series

Features

- Low profile very effective in space-conscious applicatins.
- Low resistance and high energy storage.
- Supper low resistance with high current rating.

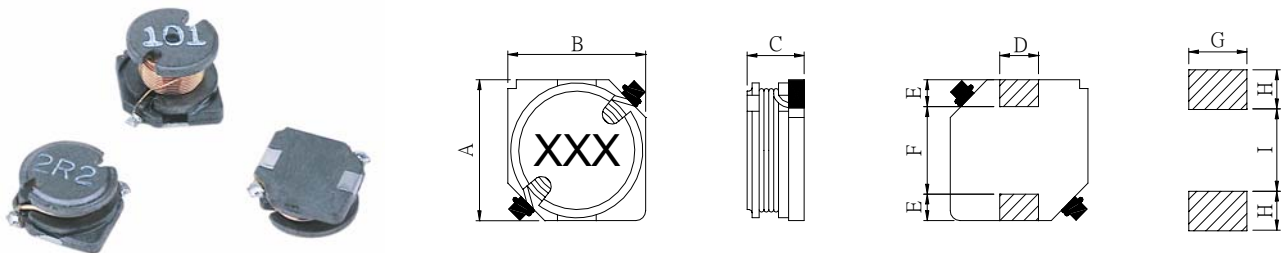
Applications

- Excellent as DC-DC Converter used in notebooks computers, PDA and mobile phones. Step-up or step-down converters, flash memory.

Test Equipment and Conditions

- Inductance is measured with HP-4284A LCR meter or equivalent.
- Maximum allowable DC current whIC causes 10% inductance reduction of the initial value ,or coil temperature to rise by 40°C,whICever is smaller.(Reference ambient temperature 20°C) .
- Operating temperature : -25°C~ +85°C.

External Dimensions (Unit: m/m)



| Type | A | B | C | D | E | F | G | H | I | Q'TY/Reel |
|----------|---------|---------|---------|-----|-----|-----|-----|-----|-----|-----------|
| APE07T30 | 7.6±0.3 | 7.6±0.3 | 3.0±0.5 | 2.0 | 1.3 | 4.4 | 3.0 | 2.0 | 4.0 | 1000 |
| APE07T50 | 7.6±0.3 | 7.6±0.3 | 5.0±0.5 | 1.7 | 1.2 | 4.6 | 2.7 | 2.0 | 4.4 | 1000 |

Part Number Code

APE 07 I 30 N 1R0
 A B C D E F

A: Series Name Power Inductor
 B: Dimensions(mm) 07: 7.6x7.6
 C: Materials T=T type
 D: Thickness(mm) 30: 3.0
 E: Tolerance M: ±20% N: ±30%
 F: Inductance 1R0=1uH

APE-T Series

| Part Number | Inductance (μH) | Test Frequency (KHz) | DC Resistance (Ω)Max | Rated DC Current (A)Max |
|---------------|-----------------|----------------------|----------------------|-------------------------|
| APE07T30□-1R0 | 1.0 | 100 | 0.02 | 3.60 |
| APE07T30□-1R5 | 1.5 | 100 | 0.03 | 3.40 |
| APE07T30□-2R2 | 2.2 | 100 | 0.03 | 2.68 |
| APE07T30□-3R3 | 3.3 | 100 | 0.04 | 2.40 |
| APE07T30□-4R7 | 4.7 | 100 | 0.06 | 2.26 |
| APE07T30□-6R8 | 6.8 | 100 | 0.08 | 1.66 |
| APE07T30□-100 | 10 | 100 | 0.12 | 1.37 |
| APE07T30□-120 | 12 | 100 | 0.14 | 1.12 |
| APE07T30□-150 | 15 | 100 | 0.18 | 1.08 |
| APE07T30□-180 | 18 | 100 | 0.20 | 1.04 |
| APE07T30□-220 | 22 | 100 | 0.27 | 0.80 |
| APE07T30□-270 | 27 | 100 | 0.32 | 0.77 |
| APE07T30□-330 | 33 | 100 | 0.35 | 0.71 |
| APE07T30□-390 | 39 | 100 | 0.48 | 0.62 |
| APE07T30□-470 | 47 | 100 | 0.56 | 0.56 |
| APE07T30□-560 | 56 | 100 | 0.63 | 0.54 |
| APE07T30□-680 | 68 | 100 | 0.71 | 0.50 |
| APE07T30□-820 | 82 | 100 | 0.97 | 0.43 |
| APE07T30□-101 | 100 | 100 | 1.08 | 0.39 |
| APE07T50□-100 | 10 | 100 | 0.12 | 1.50 |
| APE07T50□-120 | 12 | 100 | 0.13 | 1.44 |
| APE07T50□-150 | 15 | 100 | 0.15 | 1.36 |
| APE07T50□-180 | 18 | 100 | 0.16 | 1.30 |
| APE07T50□-220 | 22 | 100 | 0.19 | 1.23 |
| APE07T50□-270 | 27 | 100 | 0.21 | 1.11 |
| APE07T50□-330 | 33 | 100 | 0.24 | 1.00 |
| APE07T50□-390 | 39 | 100 | 0.27 | 0.93 |
| APE07T50□-470 | 47 | 100 | 0.39 | 0.85 |
| APE07T50□-560 | 56 | 100 | 0.45 | 0.75 |
| APE07T50□-680 | 68 | 100 | 0.50 | 0.70 |
| APE07T50□-820 | 82 | 100 | 0.56 | 0.65 |
| APE07T50□-101 | 100 | 100 | 1.00 | 0.52 |
| APE07T50□-121 | 120 | 100 | 1.05 | 0.50 |
| APE07T50□-151 | 150 | 100 | 1.20 | 0.45 |
| APE07T50□-181 | 180 | 100 | 1.35 | 0.40 |
| APE07T50□-221 | 220 | 100 | 1.52 | 0.38 |
| APE07T50□-271 | 270 | 100 | 1.72 | 0.35 |
| APE07T50□-331 | 330 | 100 | 2.70 | 0.30 |
| APE07T50□-391 | 390 | 100 | 2.96 | 0.28 |
| APE07T50□-471 | 470 | 100 | 3.36 | 0.26 |
| APE07T50□-561 | 560 | 100 | 3.79 | 0.24 |
| APE07T50□-681 | 680 | 100 | 4.33 | 0.21 |
| APE07T50□-821 | 820 | 100 | 5.26 | 0.19 |
| APE07T50□-102 | 1000 | 100 | 6.22 | 0.17 |