



# SMT Power Inductors

## Unshielded Power Inductor - TC1813DHP Series / 开放式功率电感

### ▶ Unshielded Power Inductor Features

- Open Magnetic circuit construction
- Compact and thin
- Less than 4.7mm high
- Large Current and Low DCR

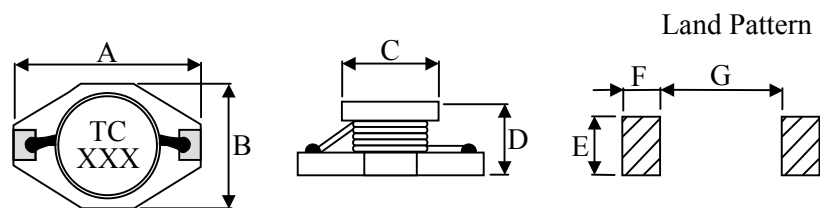
### ▶ Applications

Notebook, High power DC-DC applications

### ▶ Unshielded Power Inductor Dimensions & Configurations (Unit In mm)

Type	A(max)	B(max)	C ± 0.2	D(max)	E	F	G
TC1813DHP	9.10	6.10	4.80	4.70	3.50	2.20	4.80

Note: Design as Customer's Requested Specifications.



### ▶ Electrical Characteristics for TC1813DHP Series Unshielded Power Inductor

Part Number	Inductance(μH)	Test Freq.(KHz)	DCR (Ω)(max)	IDC (A)(max)
TC1813DHP - R56N	0.56	100	0.010	7.70
TC1813DHP - 1R2M	1.20	100	0.017	5.30
TC1813DHP - 2R2M	2.20	100	0.035	3.50
TC1813DHP - 4R7M	4.70	100	0.054	2.60
TC1813DHP - 100M	10.00	100	0.111	1.90
TC1813DHP - 150M	15.00	100	0.170	1.50
TC1813DHP - 220M	22.00	100	0.250	1.20
TC1813DHP - 330M	33.00	100	0.350	0.99
TC1813DHP - 470M	47.00	100	0.470	0.87

Note: Test Freq.: 100KHz / 0.1V

Operating Temp.: -40°C ~ +85°C

Inductance drop=10% typ. at IDC.

### ▶ How to Order



#### ① SMT Unshielded Power Inductor

#### ② Inductance

Code	Inductance
R56	0.56μH
1R2	1.20μH
100	10.00μH

#### ③ Tolerance

Code	Tolerance
K	10%
L	15%
M	20%
N	30%