



# SMT Power Inductors

## SMT Unshielded Power Inductors - TC5022DHP Series / 贴片开放式功率电感

### ► Power Inductor Features

- Open Magnetic circuit construction
- Compact and thin
- 8mm high for large current and low DCR.
- Rugged self-leaded construction.

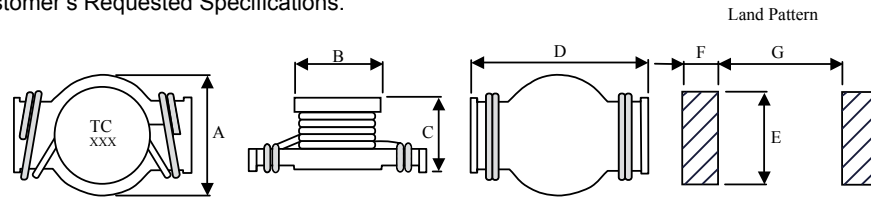
### ► Applications

- Notebook, Low voltage DC-DC converter

### ► Power Inductor Dimensions & Configurations (Unit: mm)

Type	A(max)	B ± 0.3	C(max)	D(max)	E	F	G
TC5022DHP	16.26	12.70	8.00	22.35	8.64	3.18	14.35

Note: Design as Customer's Requested Specifications.



### ► Electrical Characteristics for TC5022DHP Series Power Inductors

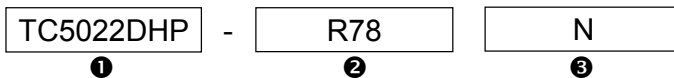
Part Number	Inductance(μH)	Test Freq.(KHz)	DCR (Ω)(max)	IDC (A)(max)
TC5022DHP - R78N	0.78	100	0.0026	30.00
TC5022DHP - 1R5M	1.50	100	0.0040	25.00
TC5022DHP - 2R2M	2.20	100	0.0061	20.00
TC5022DHP - 3R3M	3.30	100	0.0086	17.00
TC5022DHP - 3R9M	3.90	100	0.010	15.00
TC5022DHP - 4R7M	4.70	100	0.014	13.00
TC5022DHP - 6R0M	6.00	100	0.017	12.00
TC5022DHP - 7R8M	7.80	100	0.018	11.00
TC5022DHP - 100M	10.00	100	0.026	10.00
TC5022DHP - 150M	15.00	100	0.032	8.00

Note: Test Freq.: 100KHz / 0.1V

Operating Temp.: -40°C ~ +85°C.

Inductance drop=10% typ. at IDC.

### ► How to Order



❶ SMT Unshielded Power Inductors: TC5022DHP

❷ Inductance

Code	Inductance
R78	0.78μH
1R5	1.50μH
100	10.00μH

❸ Tolerance

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

