



# Inductor

## THT - TC1213/1213A/1213B Power Inductor / 大电流功率电感

### ► Features

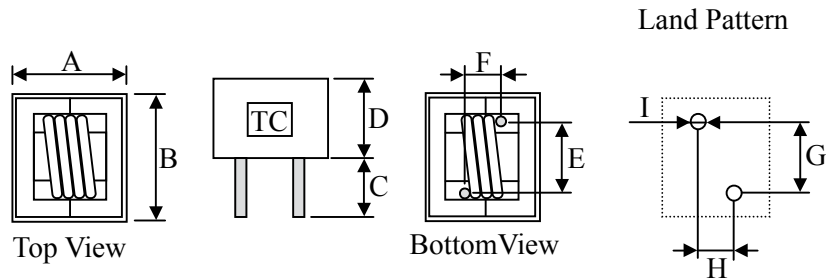
Large Current and Low DCR.

### ► Applications

Mother Board of PC.

Mother Board of Notebook.

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



Type	A(max)	B(max)	C ± 1.0	D(max)	E(Ref.)	F(Ref.)	G	H	I
TC1213	14.0	14.5	5.0	9.5	7.0	5.0	7.5	5.5	1.8
TC1213A	14.0	14.5	5.0	9.5	7.0	5.0	7.5	5.5	1.8
TC1213B	14.5	14.5	5.0	9.5	7.0	5.0	7.5	5.5	1.8

Note: Design as Customer's Requested Specifications.

### ► Inductor Electrical Characteristics

Part Number	Inductance(μH)	Test Freq.(KHz)	DCR (Ω)(max)	Peak Current (A) (max)	Irms (A)(max)
TC1213 - R68N	0.68	100	0.0015	40.00	20.00
TC1213A - R33N	0.33	100	0.0015	40.00	20.00
TC1213B - 1R0N	1.00	100	0.0015	35.00	20.00

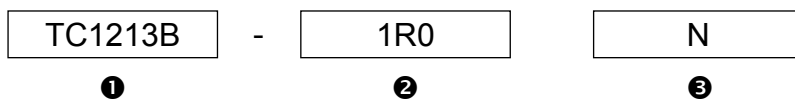
Note: Test Freq.: 100KHz / 0.1V.

Operating Temp.: -40°C ~ +85°C

Inductance drop = 10% typ. at Peak Current.

ΔT=40°C rise at Irms.

### ► How to Order



❶ Power inductor THT : TC1213, TC1213A, TC1213B

❷ Inductance

Code	Inductance
R68	0.68μH
1R0	1.00μH

❸ Tolerance

Code	Tolerance
N	30%