



# SMD Power Inductors

## Power Inductors SMT Unshielded - TC1608DF Series / 功率电感晶片开放式

### ► Power Inductor Features

Open Magnetic circuit construction  
Compact and thin

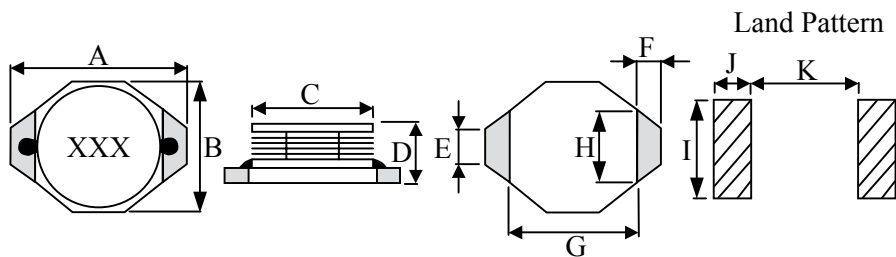
### ► Applications

Notebook, Cellular Phone, DC/DC converter, PDA.

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

Type	A(max)	B(max)	C ± 0.3	D(max)	E ± 0.3	F ± 0.3	G ± 0.3	H ± 0.3	I	J	K
TC1608DF	6.60	4.45	4.00	2.92	1.27	1.02	4.32	2.50	3.56	1.40	4.06

Note: Design as Customer's Requested Specifications.



### ► Electrical Characteristics for TC1608DF Series Power Inductors

Part Number	Inductance(μH)	Test Freq.(KHz)	DCR (Ω)(max)	IDC (A)(max)
TC1608DF - 1R0M	1.00	100	0.050	2.90
TC1608DF - 1R5M	1.50	100	0.050	2.60
TC1608DF - 2R2M	2.20	100	0.070	2.30
TC1608DF - 3R3M	3.30	100	0.080	2.00
TC1608DF - 4R7M	4.70	100	0.090	1.50
TC1608DF - 6R8M	6.80	100	0.130	1.20
TC1608DF - 100M	10.00	100	0.160	1.10
TC1608DF - 150M	15.00	100	0.230	0.90
TC1608DF - 220M	22.00	100	0.370	0.70
TC1608DF - 330M	33.00	100	0.510	0.58
TC1608DF - 470M	47.00	100	0.640	0.50
TC1608DF - 680M	68.00	100	0.860	0.40
TC1608DF - 101M	100.00	100	1.270	0.31
TC1608DF - 151M	150.00	100	2.000	0.27
TC1608DF - 221M	220.00	100	3.110	0.22
TC1608DF - 331M	330.00	100	3.800	0.18
TC1608DF - 471M	470.00	100	5.060	0.16
TC1608DF - 681M	680.00	100	9.200	0.14
TC1608DF - 102M	1000.00	100	13.800	0.10

Note: Test Freq.: 100KHz / 0.1V

Operating Temp.: -40°C ~ +85°C

Inductance drop=10% typ. at IDC.



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## ► How to Order

TC1608DF - 1R0 M

①                      ②                      ③

① SMT Unshielded Power Inductors

② Inductance

Code	Inductance
1R0	1.0 $\mu$ H
100	10.00 $\mu$ H
101	100.00 $\mu$ H
102	1000.00 $\mu$ H

③ Tolerance

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

