



# SMD Power Inductors

## Backlight SMT Power Inductors - TC1608DBL Series / 背光贴片功率电感

### ▶ Backlight SMT Power Inductor Features

- Magnetically shielded construction
- Compact Size
- High breakdown voltage
- DCR is lower than other inductors 10%~60%

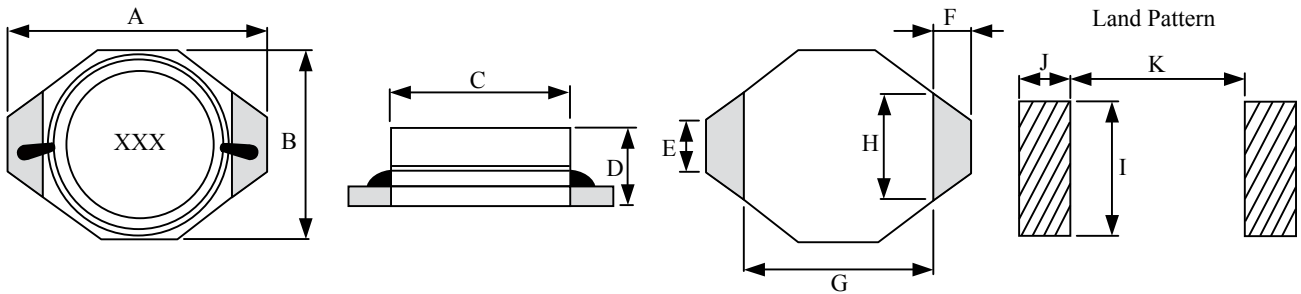
### ▶ Applications

Backlight applications : PDA, USB, LCD, TFT.

### ▶ Backlight SMT 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
TC1608DBL	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.

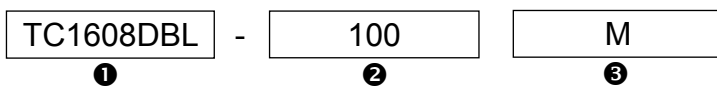


### ▶ Electrical Characteristics for TC1608DBL Series Backlight SMT Power Inductor

Part Number	Inductance (μH)	Test Freq. (KHz)	Insulationcore-winding	DCR (Ω) (max)	Current (A) (max)
TC1608DBL - 101M	100.00	100	>10	0.950	0.22
TC1608DBL - 151M	150.00	100	>10	1.400	0.20
TC1608DBL - 221M	220.00	100	>10	1.700	0.18
TC1608DBL - 331M	330.00	100	>10	2.200	0.16
TC1608DBL - 471M	470.00	100	>10	3.800	0.14
TC1608DBL - 681M	680.00	100	>10	4.900	0.12
TC1608DBL - 102M	1000.00	100	>10	9.000	0.10
TC1608DBL - 152M	1500.00	100	>10	11.000	0.08
TC1608DBL - 222M	2200.00	100	>10	19.000	0.05
TC1608DBL - 332M	3300.00	100	>10	24.000	0.04
TC1608DBL - 472M	4700.00	100	>10	30.000	0.03
TC1608DBL - 682M	6800.00	100	>10	56.000	0.02
TC1608DBL - 103M	10000.00	100	>10	74.000	0.01

Note: Test Freq.: 100KHz / 0.1V. Current (max).... 30°C temperature rise. Operating Temp.: -40°C ~ +85°C.

### ▶ How to Order



① Backlight SMT Power Inductors: TC1608DBL

② Inductance

Code	Inductance
101	100.00μH
102	1000.00μH
103	10000.00μH

③ Tolerance

Code	Tolerance
M	20%
N	30%