

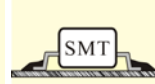
# SMT Shielded Power Inductors GS1608DC

## Features (特長)

- Magnetically shielded construction (閉磁路構造設計)
- Compact and thin (輕便薄小)
- DCR is lower than other inductors 10%~60% (直流阻抗比其他型式低於 10%~60%)
- High breakdown voltage (高擊穿電壓)
- 鐵芯與線有良好之絕緣阻抗

## Applications (用途)

- Notebook, Cellular Phone, DC/DC converter, PDA.  
(筆記型電腦、手機、直流轉換器、PDA)
- Backlight applications : PDA, USB, LCD, TFT.  
(背光燈產品 : PDA, USB, LCD, TFT )



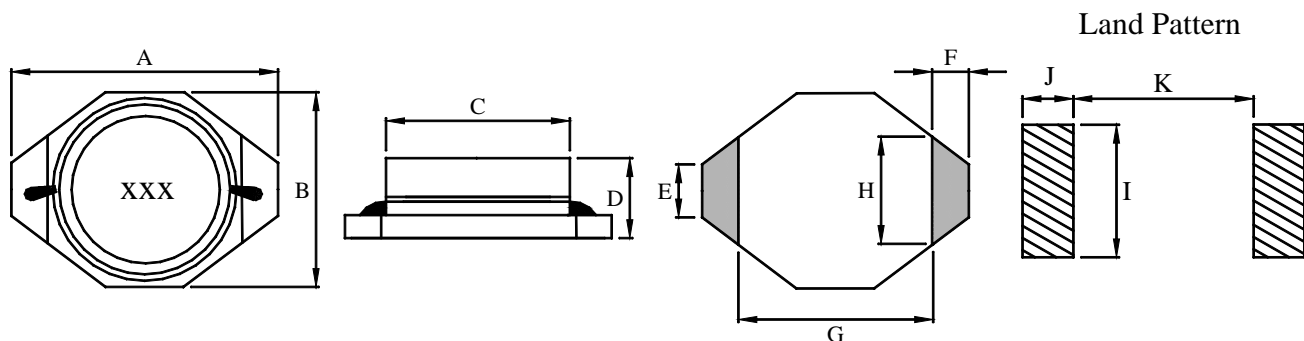
## Product Identification (產品識別)

GS1608DC - \_\_\_\_ (Ex. GS1608DC-1R0M)

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1. SMT Shielded Power Inductors (閉磁式功率電感) (GS1608DC)
2. Inductance (電感值)
3. Tolerance (誤差值) ( 參照表 M 20%, N 30% )

## Configurations & Dimensions (結構圖及規格尺寸)



Unit In mm

Type (型式)	A (max)	B (max)	C ±0.3	D (max)	E ±0.3	F ±0.3	G ±0.3	H ±0.3	I	J	K
GS1608DC	6.60	4.45	4.00	2.92	1.27	1.02	4.32	2.50	3.56	1.40	4.06

♣ Design as Customer's Requested Specifications. (可依客戶特殊需求設計)

# SMT Shielded Power Inductors

## GS1608DC

Electrical Characteristics for GS1608DC Series [GS1608DC 系列電子特性規格]

Part Number 產品料號	Inductance ( $\mu$ H) 電感值 (L)	Test Freq. (KHz) 測試頻率	DCR ( $\Omega$ ) (max) 直流阻抗	Current (A) (max) 定格電流
GS1608DC – 1R0M	1.00	100	0.040	3.00
GS1608DC – 1R5M	1.50	100	0.045	2.80
GS1608DC – 2R2M	2.20	100	0.050	1.80
GS1608DC – 3R3M	3.30	100	0.055	1.60
GS1608DC – 4R7M	4.70	100	0.060	1.40
GS1608DC – 6R8M	6.80	100	0.065	1.20
GS1608DC – 100M	10.00	100	0.075	1.00
GS1608DC – 150M	15.00	100	0.090	0.80
GS1608DC – 220M	22.00	100	0.110	0.70
GS1608DC – 330M	33.00	100	0.190	0.60
GS1608DC – 470M	47.00	100	0.230	0.50
GS1608DC – 680M	68.00	100	0.290	0.40
GS1608DC – 101M	100.00	100	0.480	0.30
GS1608DC – 151M	150.00	100	0.590	0.26
GS1608DC – 221M	220.00	100	0.770	0.22
GS1608DC – 331M	330.00	100	1.400	0.20
GS1608DC – 471M	470.00	100	1.800	0.19
GS1608DC – 681M	680.00	100	2.200	0.18
GS1608DC – 102M	1000.00	100	3.400	0.15
GS1608DC – 152M	1500.00	100	4.200	0.12
GS1608DC – 222M	2200.00	100	8.500	0.10
GS1608DC – 332M	3300.00	100	11.000	0.08
GS1608DC – 472M	4700.00	100	13.900	0.06
GS1608DC – 682M	6800.00	100	25.000	0.04
GS1608DC – 103M	10000.00	100	32.800	0.02

※Test Freq. : 100KHz / 0.1V.

※Current (max) .... 30°C temperature rise.

※Operating Temp. : -40°C ~ +125°C

※Storage Temperature&Humidity :  $\leq$  40°C & 70% RH maximum