

# SMT Unshielded Power Inductors

## GSD5011 / GSD5013

### Features (特長)

- Open Magnetic circuit construction (開磁路構造設計)
- Low Profile (薄型結構)

### Applications (用途)

- LCD Driver (LCD 驅動器)
- Cellular Phone (手機)
- Small DC/DC converter (小型直流轉換器)

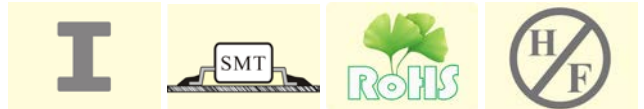


### Product Identification (產品識別)

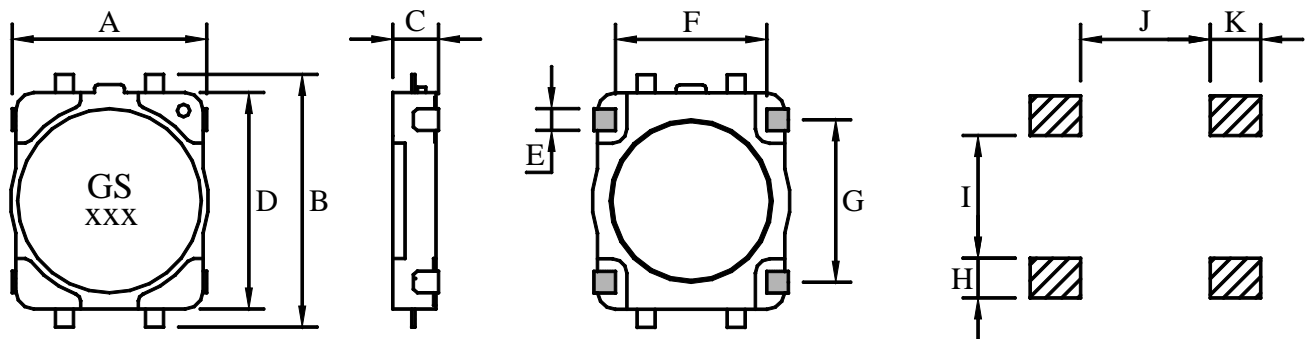
GSD5011 - \_\_\_\_\_ (Ex. GSD5011-100M)

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1. SMT Unshielded Power Inductors (開放式功率電感) (GSD5011/GSD5013)
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 (max)	D	E	F	G	H	I	J	K
GSD5011	5.8	7.4	1.2	6.0	0.6	4.2	4.5	1.1	3.4	3.6	1.4
GSD5013	5.8	7.4	1.5	6.0	0.6	4.2	4.5	1.1	3.4	3.6	1.4

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

# SMT Unshielded Power Inductors

## GSD5011

Electrical Characteristics for GSD5011 Series [GSD5011 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	IDC (A) (max) 定格電流
GSD5011 – 3R3M	3.30	100	0.109	0.94
GSD5011 – 4R7M	4.70	100	0.156	0.80
GSD5011 – 6R8M	6.80	100	0.216	0.65
GSD5011 – 100M	10.00	100	0.275	0.53
GSD5011 – 150M	15.00	100	0.438	0.40
GSD5011 – 220M	22.00	100	0.663	0.36
GSD5011 – 330M	33.00	100	0.975	0.32
GSD5011 – 470M	47.00	100	1.380	0.26
GSD5011 – 680M	68.00	100	1.700	0.23
GSD5011 – 101M	100.00	100	2.800	0.20

※Test Freq. : 100KHz / 0.1V.

※Operating Temp. :  $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

※Inductance drop=10% typ. at IDC.

※Storage Temperature&Humidity :  $\leq 40^{\circ}\text{C}$  & 70% RH maximum

## GSD5013

Electrical Characteristics for GSD5013 Series [GSD5013 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	IDC (A) (max) 定格電流
GSD5013 – 3R3M	3.30	100	0.081	1.25
GSD5013 – 4R7M	4.70	100	0.106	1.20
GSD5013 – 6R8M	6.80	100	0.144	0.90
GSD5013 – 100M	10.00	100	0.187	0.85
GSD5013 – 150M	15.00	100	0.300	0.57
GSD5013 – 220M	22.00	100	0.431	0.54
GSD5013 – 330M	33.00	100	0.637	0.38
GSD5013 – 470M	47.00	100	0.875	0.35

※Test Freq. : 100KHz / 0.1V.

※Operating Temp. :  $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

※Inductance drop=35% typ. at IDC.

※Storage Temperature&Humidity :  $\leq 40^{\circ}\text{C}$  & 70% RH maximum