

# SMT Shielded Power Inductors

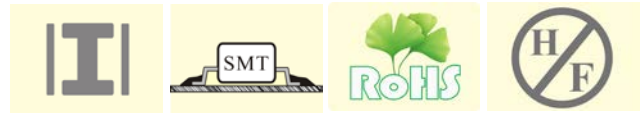
## GSD5409PE

### Features (特長)

- Magnetically shielded construction (閉磁路構造設計)
- Low Profile (薄型結構)
- Low cost (低價格)

### Applications (用途)

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



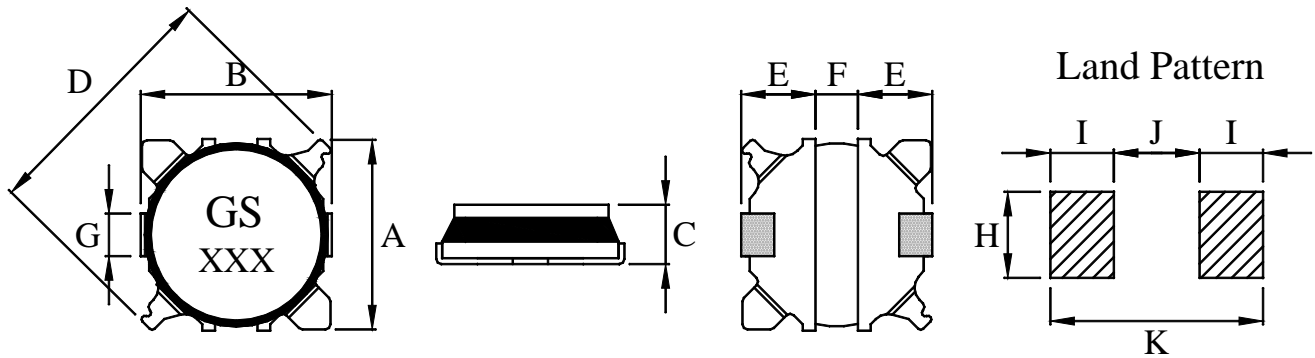
### Product Identification (產品識別)

GSD5409PE - \_\_\_\_\_ (Ex. GSD5409PE-3R3N)

1                      2                      3

1. SMT Shielded Power Inductors (閉磁式功率電感) (GSD5409PE)
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	B	C (max)	D (max)	E	F	G	H	I	J	K
GSD5409PE	±0.3	±0.3	1.00	7.90	2.05	1.50	1.80	2.50	1.85	2.50	6.20

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

# SMT Shielded Power Inductors

## GSD5409PE

Electrical Characteristics for GSD5409PE Series [GSD5409PE 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	Isat (A) (max) 定格電流	Irms (A) (max) 溫昇電流
GSD5409PE – 3R3N	3.30	100	0.1306	1.30	1.80
GSD5409PE – 4R7N	4.70	100	0.2174	1.15	1.35
GSD5409PE – 6R8M	6.80	100	0.3300	0.90	1.20
GSD5409PE – 100M	10.00	100	0.3928	0.84	1.00
GSD5409PE – 150M	15.00	100	0.5800	0.63	0.65
GSD5409PE – 220M	22.00	100	0.9300	0.50	0.60
GSD5409PE – 330M	33.00	100	1.4000	0.40	0.45
GSD5409PE – 470M	47.00	100	2.1400	0.35	0.38

※Test Freq. : 100KHz / 0.1V.

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

※Inductance drop = 35% typ. at Isat.

※ $\Delta T=40^{\circ}\text{C}$  rise at Irms.

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