

SMT Unshielded Power Inductors

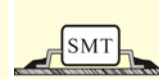
GS1608DF

Features (特長)

- Open Magnetic circuit construction (開磁路構造設計)
- Compact and thin (輕便薄小)

Applications (用途)

- Notebook, Cellular Phone, DC/DC converter, PDA. (筆記型電腦、手機、直流轉換器、PDA)



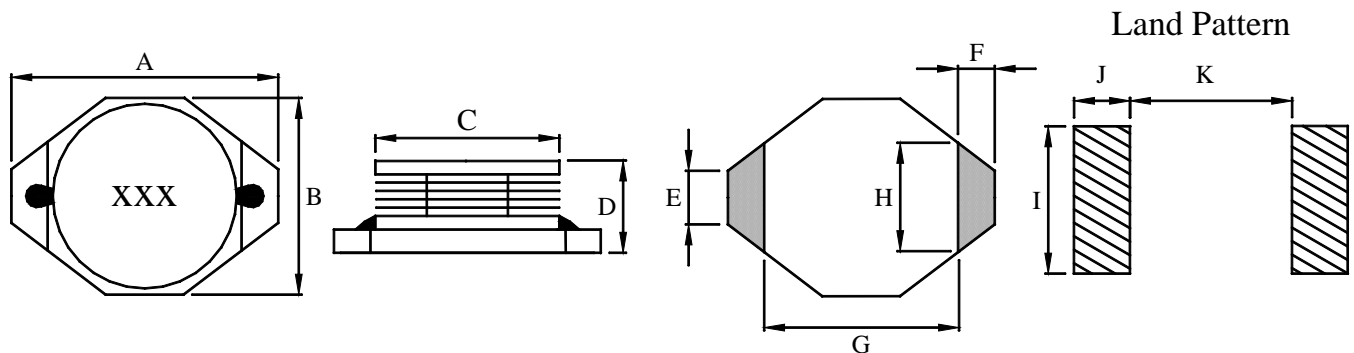
Product Identification (產品識別)

GS1608DF - _____ (Ex. GS1608DF-1R0M)

1 2 3

1. SMT Unshielded Power Inductors (開放式功率電感) (GS1608DF)
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
GS1608DF	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)

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GS1608DF

Electrical Characteristics for GS1608DF Series [GS1608DF 系列電子特性規格]

Part Number 產品料號	Inductance (μ H) 電感值 (L)	Test Freq. (KHz) 測試頻率	DCR (Ω) (max) 直流阻抗	IDC (A) (max) 定格電流
GS1608DF – 1R0M	1.00	100	0.050	2.90
GS1608DF – 1R5M	1.50	100	0.050	2.60
GS1608DF – 2R2M	2.20	100	0.070	2.30
GS1608DF – 3R3M	3.30	100	0.080	2.00
GS1608DF – 4R7M	4.70	100	0.090	1.50
GS1608DF – 6R8M	6.80	100	0.130	1.20
GS1608DF – 100M	10.00	100	0.160	1.10
GS1608DF – 150M	15.00	100	0.230	0.90
GS1608DF – 220M	22.00	100	0.370	0.70
GS1608DF – 330M	33.00	100	0.510	0.58
GS1608DF – 470M	47.00	100	0.640	0.50
GS1608DF – 680M	68.00	100	0.860	0.40
GS1608DF – 101M	100.00	100	1.270	0.31
GS1608DF – 151M	150.00	100	2.000	0.27
GS1608DF – 221M	220.00	100	3.110	0.22
GS1608DF – 331M	330.00	100	3.800	0.18
GS1608DF – 471M	470.00	100	5.060	0.16
GS1608DF – 681M	680.00	100	9.200	0.14
GS1608DF – 102M	1000.00	100	13.800	0.10

※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