

SMT Unshielded Power Inductors GS5022DF

Features (特長)

- Open Magnetic circuit construction (開磁路構造設計)
- Compact and thin (輕便薄小)
- Mn-Zn material core. (錳鋅材之鐵芯)
- Large Current and Low DCR (大電流及低直流阻抗)

Applications (用途)

- Notebook, DC/DC converter, handheld devise. (筆記型電腦、直流轉換器、移動式電源供應器)



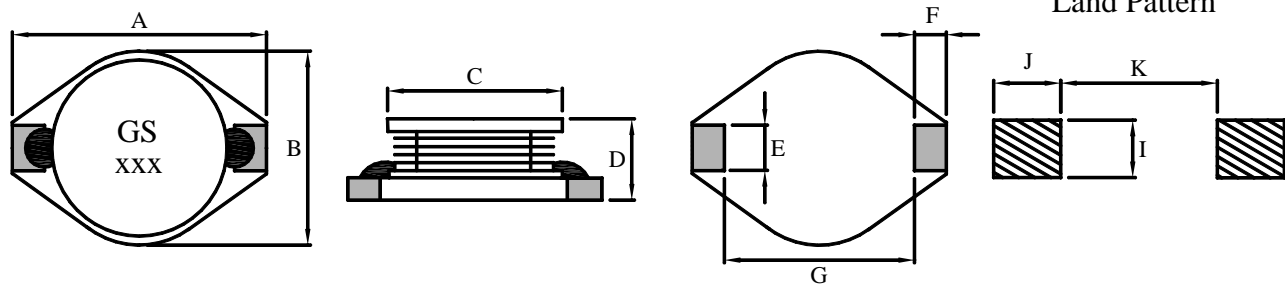
Product Identification (產品識別)

GS5022DF - _____ (Ex. GS5022DF-1R0M)

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1. SMT Unshielded Power Inductors (開放式功率電感) (GS5022DF)
2. Inductance (電感值)
3. Tolerance (誤差值) (參照表 K 10%, L 15%, 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	I	J	K
GS5022DF	18.54	15.24	12.70	7.11	2.54	2.54	12.70	2.79	3.30	12.45

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

SMT Unshielded Power Inductors

GS5022DF

Electrical Characteristics for GS5022DF Series [GS5022DF 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
GS5022DF -1R0M	1.00	100	0.009	20.00
GS5022DF -2R2M	2.20	100	0.014	16.00
GS5022DF -3R3M	3.30	100	0.015	14.00
GS5022DF -5R6M	5.60	100	0.020	12.00
GS5022DF -100M	10.00	100	0.031	10.00
GS5022DF -150M	15.00	100	0.036	8.00
GS5022DF -220M	22.00	100	0.047	7.00
GS5022DF -330M	33.00	100	0.066	5.50
GS5022DF -470M	47.00	100	0.086	4.50
GS5022DF -680M	68.00	100	0.130	3.50
GS5022DF -101M	100.00	100	0.190	3.00
GS5022DF -151M	150.00	100	0.250	2.60
GS5022DF -221M	220.00	100	0.380	2.40
GS5022DF -331M	330.00	100	0.560	1.90
GS5022DF -471M	470.00	100	0.850	1.40
GS5022DF -681M	680.00	100	1.100	1.20
GS5022DF -102M	1000.00	100	1.800	1.00

※Test Freq. : 100KHz / 0.1V.

※Operating Temp. : -40°C ~ $+85^{\circ}\text{C}$

※Inductance drop = 10% typ. at IDC.