

SMT Unshielded Power Inductors

GSD73F / GSD75F

Features (特長)

- Open Magnetic circuit construction (開磁路構造設計)
- Compact and thin (輕便薄小)
- For large currents. (適合大電流)

Applications (用途)

- Notebook, Portable communication equipments, DC/DC converters, etc.. (筆記型電腦、小型通信機器、DC/DC 變化器等)

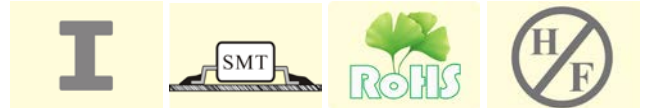


Product Identification (產品識別)

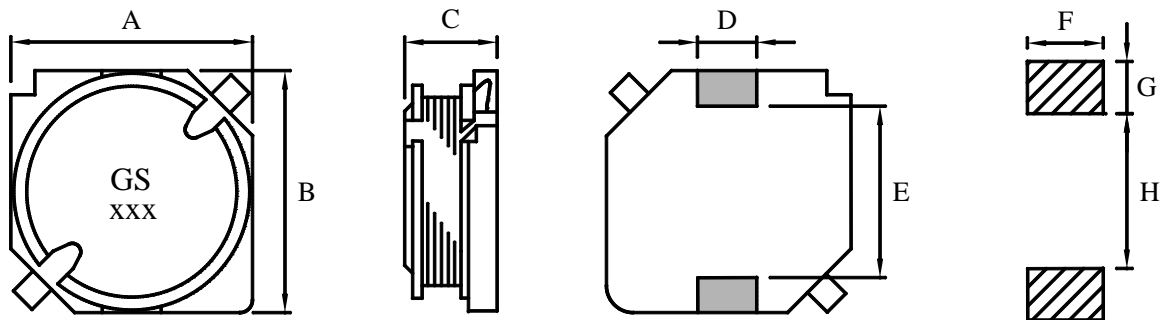
GSD73F - _____ (Ex. GSD73F-1R0M)

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1. SMT Unshielded Power Inductors (開放式功率電感) (GSD73F, GSD75F)
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 (max)	D ±0.2	E (max)	F	G	H
GSD73F	7.4	7.4	3.5	2.0	5.4	3.0	2.0	4.4
GSD75F	7.4	7.4	5.1	2.0	5.4	3.0	2.0	4.4

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

SMT Unshielded Power Inductors

GSD73F

Electrical Characteristics for GSD73F Series [GSD73F 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
GSD73F – 1R0M	1.00	1	0.022	2.88
GSD73F – 1R5M	1.50	1	0.026	2.67
GSD73F – 2R2M	2.20	1	0.032	2.40
GSD73F – 3R3M	3.30	1	0.041	2.08
GSD73F – 4R7M	4.70	1	0.049	1.92
GSD73F – 6R8M	6.80	1	0.067	1.60
GSD73F – 100M	10.00	1	0.085	1.41
GSD73F – 120M	12.00	1	0.100	1.28
GSD73F – 150M	15.00	1	0.130	1.12
GSD73F – 180M	18.00	1	0.160	1.00
GSD73F – 220M	22.00	1	0.180	0.93
GSD73F – 270M	27.00	1	0.240	0.80
GSD73F – 330M	33.00	1	0.290	0.72
GSD73F – 390M	39.00	1	0.340	0.66
GSD73F – 470M	47.00	1	0.410	0.59
GSD73F – 560M	56.00	1	0.480	0.55
GSD73F – 680M	68.00	1	0.600	0.49
GSD73F – 820M	82.00	1	0.710	0.44
GSD73F – 101M	100.00	1	0.950	0.38

※Test Freq. : 1KHz / 0.25V.

※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

SMT Unshielded Power Inductors

GSD75F

Electrical Characteristics for GSD75F Series [GSD75F 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
GSD75F – 1R0M	1.00	1	0.023	2.880
GSD75F – 1R5M	1.50	1	0.028	2.560
GSD75F – 2R2M	2.20	1	0.032	2.360
GSD75F – 2R7M	2.70	1	0.035	2.360
GSD75F – 3R3M	3.30	1	0.038	2.160
GSD75F – 3R9M	3.90	1	0.042	2.160
GSD75F – 4R7M	4.70	1	0.049	1.880
GSD75F – 5R6M	5.60	1	0.055	1.880
GSD75F – 6R8M	6.80	1	0.060	1.680
GSD75F – 8R2M	8.20	1	0.067	1.680
GSD75F – 100M	10.00	1	0.070	1.560
GSD75F – 120M	12.00	1	0.080	1.440
GSD75F – 150M	15.00	1	0.090	1.360
GSD75F – 180M	18.00	1	0.100	1.280
GSD75F – 220M	22.00	1	0.120	1.170
GSD75F – 270M	27.00	1	0.140	1.070
GSD75F – 330M	33.00	1	0.160	1.000
GSD75F – 390M	39.00	1	0.190	0.910
GSD75F – 470M	47.00	1	0.220	0.840
GSD75F – 560M	56.00	1	0.290	0.720
GSD75F – 680M	68.00	1	0.340	0.660
GSD75F – 820M	82.00	1	0.460	0.580
GSD75F – 101M	100.00	1	0.550	0.510
GSD75F – 121M	120.00	1	0.670	0.420
GSD75F – 151M	150.00	1	0.900	0.370
GSD75F – 181M	180.00	1	1.050	0.350
GSD75F – 221M	220.00	1	1.350	0.290
GSD75F – 271M	270.00	1	1.550	0.280
GSD75F – 331M	330.00	1	2.050	0.230
GSD75F – 391M	390.00	1	2.300	0.215
GSD75F – 471M	470.00	1	2.600	0.195
GSD75F – 561M	560.00	1	2.900	0.185
GSD75F – 681M	680.00	1	3.400	0.170
GSD75F – 821M	820.00	1	4.200	0.165
GSD75F – 102M	1000.00	1	5.390	0.150

※Test Freq. : 1KHz / 0.25V.

※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