

SMT Shielded Power Inductors

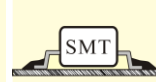
GSSLF10145 / GSSLF12555 / GSSLF12565 GSSLF12575

Features (特長)

- Magnetically shielded construction (閉磁路構造設計)
- Compact and thin (輕便薄小)
- Large Current and Low DCR (大電流低直流阻抗)

Applications (用途)

- Computers, DC/DC converter, VCR Camera. (電腦、直流轉換器、攝影機)



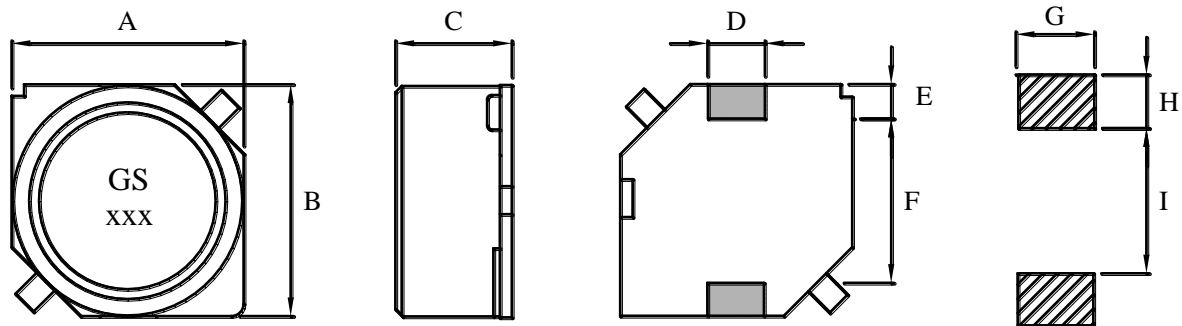
Product Identification (產品識別)

GSSLF10145 - ____ ____ (Ex. GSSLF10145-100M)

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1. SMT Shielded Power Inductors (閉磁式功率電感)
(GSSLF10145, GSSLF12555, GSSLF12565, GSSLF12575)
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 ±0.3	B ±0.3	C ±0.3	D ±0.1	E ±0.15	F ±0.2	G	H	I
GSSLF10145	10.1	10.1	4.5	3.0	2.0	6.0	3.2	2.65	5.6
GSSLF12555	12.5	12.5	5.5	3.0	2.0	8.3	3.2	2.65	8.0
GSSLF12565	12.5	12.5	6.5	3.0	2.0	8.3	3.2	2.65	8.0
GSSLF12575	12.5	12.5	7.5	3.0	2.0	8.3	3.2	2.65	8.0

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

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GSSLF10145

Electrical Characteristics for GSSLF10145 Series [GSSLF10145 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) ($\pm 20\%$) 直流阻抗	IDC (A) (max) 定格電流
GSSLF10145 – 100M	10.00	1	0.0364	3.00
GSSLF10145 – 150M	15.00	1	0.0472	2.40
GSSLF10145 – 220M	22.00	1	0.0591	2.10
GSSLF10145 – 330M	33.00	1	0.0815	1.60
GSSLF10145 – 470M	47.00	1	0.100	1.40
GSSLF10145 – 680M	68.00	1	0.140	1.20
GSSLF10145 – 101M	100.00	1	0.200	1.00
GSSLF10145 – 151M	150.00	1	0.350	0.79
GSSLF10145 – 221M	220.00	1	0.470	0.65
GSSLF10145 – 331M	330.00	1	0.680	0.54
GSSLF10145 – 471M	470.00	1	1.030	0.47
GSSLF10145 – 681M	680.00	1	1.600	0.38
GSSLF10145 – 102M	1000.00	1	2.800	0.32
GSSLF10145 – 152M	1500.00	1	3.400	0.22

GSSLF12555

Electrical Characteristics for GSSLF12555 Series [GSSLF12555 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) ($\pm 20\%$) 直流阻抗	IDC (A) (max) 定格電流
GSSLF12555 – 6R0N	6.00	1	0.0164	3.60
GSSLF12555 – 100M	10.00	1	0.0215	3.40
GSSLF12555 – 150M	15.00	1	0.0259	2.80
GSSLF12555 – 220M	22.00	1	0.0338	2.30
GSSLF12555 – 330M	33.00	1	0.0415	1.90
GSSLF12555 – 470M	47.00	1	0.0618	1.60
GSSLF12555 – 680M	68.00	1	0.0832	1.30
GSSLF12555 – 101M	100.00	1	0.117	1.10
GSSLF12555 – 151M	150.00	1	0.190	0.88
GSSLF12555 – 221M	220.00	1	0.270	0.72
GSSLF12555 – 331M	330.00	1	0.410	0.59
GSSLF12555 – 471M	470.00	1	0.520	0.49
GSSLF12555 – 681M	680.00	1	0.760	0.43
GSSLF12555 – 102M	1000.00	1	1.120	0.34
GSSLF12555 – 152M	1500.00	1	1.730	0.29

※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

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GSSLF12565

Electrical Characteristics For GSSLF12565 Series [GSSLF12565 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) ($\pm 20\%$) 直流阻抗	IDC (A) (max) 定格電流
GSSLF12565 – 2R0N	2.00	1	0.0117	10.00
GSSLF12565 – 4R2N	4.20	1	0.0150	7.30
GSSLF12565 – 7R0N	7.00	1	0.0177	5.70
GSSLF12565 – 100M	10.00	1	0.0202	5.00
GSSLF12565 – 150M	15.00	1	0.0237	4.20
GSSLF12565 – 220M	22.00	1	0.0316	3.50
GSSLF12565 – 330M	33.00	1	0.0406	2.80
GSSLF12565 – 470M	47.00	1	0.0578	2.40
GSSLF12565 – 680M	68.00	1	0.0787	2.00
GSSLF12565 – 101M	100.00	1	0.123	1.60
GSSLF12565 – 221M	220.00	1	0.273	1.00

GSSLF12575

Electrical Characteristics for GSSLF12575 Series [GSSLF12575 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) ($\pm 20\%$) 直流阻抗	IDC (A) (max) 定格電流
GSSLF12575 – 1R2N	1.20	1	0.0050	13.00
GSSLF12575 – 2R7N	2.70	1	0.0094	10.00
GSSLF12575 – 3R9N	3.90	1	0.0104	9.00
GSSLF12575 – 5R6N	5.60	1	0.0116	7.80
GSSLF12575 – 6R8N	6.80	1	0.0131	7.20
GSSLF12575 – 100M	10.00	1	0.0156	5.50
GSSLF12575 – 150M	15.00	1	0.0184	4.70
GSSLF12575 – 220M	22.00	1	0.0263	4.00
GSSLF12575 – 330M	33.00	1	0.0395	3.20
GSSLF12575 – 470M	47.00	1	0.0528	2.70
GSSLF12575 – 680M	68.00	1	0.0778	2.00
GSSLF12575 – 101M	100.00	1	0.125	1.90
GSSLF12575 – 151M	150.00	1	0.175	1.50
GSSLF12575 – 221M	220.00	1	0.258	1.30

※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