

SMT Shielded Power Inductors

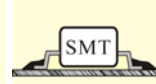
GSSLF10145 / GSSLF12555 / GSSLF12565 GSSLF12575

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)



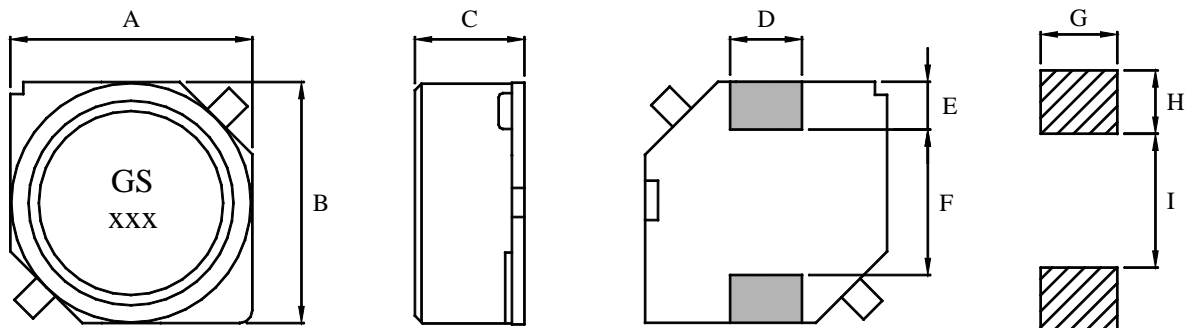
Product Identification (產品識別)

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 M 20%, N 30%)

Configurations & Dimensions (結構圖及規格尺寸)



Unit In mm

Type (型式)	A	B	C	D	E	F	G	H	I
GSSLF10145	±0.3	±0.3	±0.3	±0.1	±0.15	±0.2	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	0.1230	1.60
GSSLF12565 – 221M	220.00	1	0.2730	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	0.1250	1.90
GSSLF12575 – 151M	150.00	1	0.1750	1.50
GSSLF12575 – 221M	220.00	1	0.2580	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