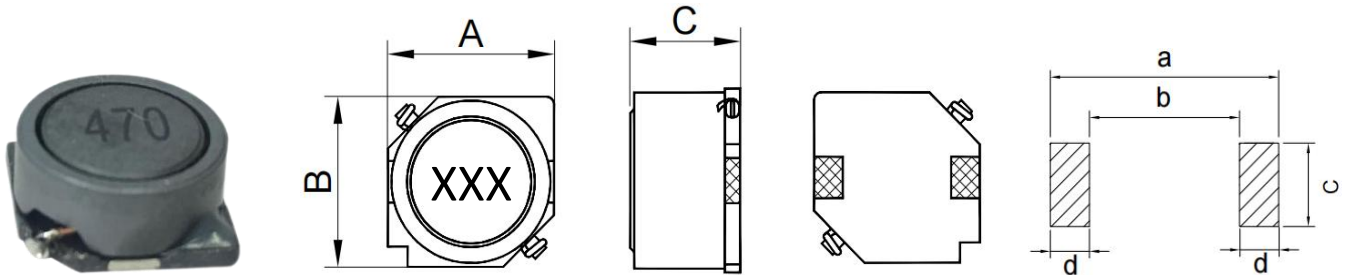


## Shielded SMD Power Inductor

### 结构及外形尺寸 Dimensions of structure and shape



Part Number	Dimensions	Dimensions	Dimensions	Land Patterns		
	长 A (mm)	宽 B(mm)	高 C(mm)	推荐焊盘尺寸		
	A (mm)	B(mm)	C(mm)	a(mm)	b(mm)	c(mm)
GSLF0628N	6.0±0.2	6.0±0.2	2.8±0.2	7.00	4.00	2.20
GSLF0732N	7.0±0.2	7.0±0.2	3.2±0.2	7.90	4.00	2.20
GSLF0745N	7.0±0.2	7.0±0.2	4.5±0.3	7.90	4.00	2.20
GSLF1045N	10.1±0.3	10.1±0.3	4.5±0.3	10.60	5.60	3.20
GSLF1255N	12.5±0.3	12.5±0.3	5.5±0.35	13.60	8.60	3.20
GSLF1275N	12.5±0.3	12.5±0.3	7.5±0.35	13.60	8.60	3.20

### 特点 Features

- 紧凑型, 小体积, 低阻抗, 大电流
- Compact, low profile with low DCR and large current
- 具备高防护性的磁屏蔽效果
- With magnetically shielded against radiation
- 平整的底座可以牢固的安装在电路板上
- Flat bottom surface allows reliable mounting onto the board
- 可以在料带和卷轴上实现自动化贴片
- Available on tape and reel for auto surface mounting

### 应用 Applications

- 便携式电话
- Portable Telephones
- 计算机
- Personal Computers
- DC/DC 转换器等
- DC/DC Converters, etc.
- 其它各种电子产品
- Other Various Electronic Appliances

### 电感特性范围 Inductance and rated current ranges

GSLF0628N	4.7~470uH	36~269mΩ	1.60~0.18A
GSLF0732N	3.3~470uH	23~2050mΩ	1.90~0.20A
GSLF0745N	3.3~470uH	20~1200mΩ	2.50~0.22A
GSLF1045N	3.3~1000uH	16~2800mΩ	5.10~0.32A
GSLF1275N	6.8~330uH	13~370mΩ	5.90~0.88A

### 包装数量 Packaging Quantity

GSLF0628N	1000PCS/R
GSLF0732N	1000PCS/R
GSLF0745N	1000PCS/R
GSLF1045N	750PCS/R
GSLF1275N	350PCS/R

### ★ 产品可以按客户要求定制

Products can be customized according to customer requirements

本产品符合车载信赖性标准AEC-Q200

This product Complied with automotive reliability test standard AEC-Q200



# GSLF Series (SHIELDED)

## ELECTRICAL SPECIFICATION

GSLF0628N Series (Quantity: 1000PCS)/GSLF0628N 系列 (数量: 1000PCS)

Part Number	Marking	Inductance ( $\mu$ H)	DCR (m $\Omega$ ) $\pm$ 20%	Test Freq. (Hz)	Saturation Current(A)
GSLF0628N-4R7M01	4R7	4.7	36	1KHz/0.5v	1.60
GSLF0628N-6R8M01	6R8	6.8	52	1KHz/0.5v	1.50
GSLF0628N-8R2M01	8R2	8.2	61	1KHz/0.5v	1.35
GSLF0628N-100M01	100	10	68	1KHz/0.5v	1.30
GSLF0628N-150M01	150	15	100	1KHz/0.5v	1.00
GSLF0628N-220M01	220	22	120	1KHz/0.5v	0.77
GSLF0628N-330M01	330	33	180	1KHz/0.5v	0.69
GSLF0628N-470M01	470	47	270	1KHz/0.5v	0.59
GSLF0628N-680M01	680	68	390	1KHz/0.5v	0.50
GSLF0628N-820M01	820	82	459	1KHz/0.5v	0.43
GSLF0628N-101M01	101	100	620	1KHz/0.5v	0.42
GSLF0628N-151M01	151	150	919	1KHz/0.5v	0.30
GSLF0628N-221M01	221	220	1219	1KHz/0.5v	0.25
GSLF0628N-331M01	331	330	1789	1KHz/0.5v	0.21
GSLF0628N-471M01	471	470	2698	1KHz/0.5v	0.18
GSLF0628N-681M01	681	680	4310	1KHz/0.5v	0.15

GSLF0732N Series (Quantity: 1000PCS)/GSLF0732N 系列 (数量: 1000PCS)

Part Number	Marking	Inductance ( $\mu$ H)	DCR (m $\Omega$ ) $\pm$ 20%	Test Freq. (Hz)	Saturation Current(A)
GSLF0732N-3R3M01	3R3	3.3	23	1KHz/0.5v	1.90
GSLF0732N-4R7M01	4R7	4.7	36	1KHz/0.5v	1.70
GSLF0732N-6R8M01	6R8	6.8	41	1KHz/0.5v	1.60
GSLF0732N-100M01	100	10	53	1KHz/0.5v	1.40
GSLF0732N-150M01	150	15	75	1KHz/0.5v	1.10
GSLF0732N-220M01	220	22	110	1KHz/0.5v	0.96
GSLF0732N-330M01	330	33	160	1KHz/0.5v	0.75
GSLF0732N-470M01	470	47	240	1KHz/0.5v	0.67
GSLF0732N-680M01	680	68	310	1KHz/0.5v	0.59
GSLF0732N-820M01	820	82	424	1KHz/0.5v	0.49
GSLF0732N-101M01	101	100	450	1KHz/0.5v	0.45
GSLF0732N-151M01	151	150	650	1KHz/0.5v	0.37
GSLF0732N-221M01	221	220	1050	1KHz/0.5v	0.29
GSLF0732N-331M01	331	330	1670	1KHz/0.5v	0.22
GSLF0732N-471M01	471	470	2050	1KHz/0.5v	0.20



# GSLF Series (SHIELDED)

## ELECTRICAL SPECIFICATION

GSLF0745N Series (Quantity: 1000PCS)/GSLF0745N 系列 (数量: 1000PCS)

Part Number	Marking	Inductance ( $\mu$ H)	DCR (m $\Omega$ ) $\pm$ 20%	Test Freq. (Hz)	Saturation Current(A)
GSLF0745N-3R3M01	3R3	3.3	20	1KHz/0.5v	2.50
GSLF0745N-4R7M01	4R7	4.7	29	1KHz/0.5v	2.00
GSLF0745N-6R8M01	6R8	6.8	39	1KHz/0.5v	1.70
GSLF0745N-100M01	100	10	36	1KHz/0.5v	1.30
GSLF0745N-150M01	150	15	52	1KHz/0.5v	1.10
GSLF0745N-220M01	220	22	61	1KHz/0.5v	0.90
GSLF0745N-330M01	330	33	96	1KHz/0.5v	0.82
GSLF0745N-470M01	470	47	125	1KHz/0.5v	0.75
GSLF0745N-680M01	680	68	200	1KHz/0.5v	0.60
GSLF0745N-820M01	820	82	244	1KHz/0.5v	0.52
GSLF0745N-101M01	101	100	250	1KHz/0.5v	0.50
GSLF0745N-221M01	221	220	850	1KHz/0.5v	0.33
GSLF0745N-331M01	331	330	1100	1KHz/0.5v	0.25
GSLF0745N-471M01	471	470	1050	1KHz/0.5v	0.22

GSLF1045N Series (Quantity: 750PCS)/GSLF1045N 系列 (数量: 750PCS)

Part Number	Marking	Inductance ( $\mu$ H)	DCR (m $\Omega$ ) $\pm$ 20%	Test Freq. (Hz)	Saturation Current(A)
GSLF1045N-3R3M01	3R3	3.3	16	1KHz/0.5v	5.10
GSLF1045N-4R7M01	4R7	4.7	20	1KHz/0.5v	3.70
GSLF1045N-6R8M01	6R8	6.8	25	1KHz/0.5v	3.20
GSLF1045N-100M01	100	10	36	1KHz/0.5v	3.00
GSLF1045N-150M01	150	15	47	1KHz/0.5v	2.40
GSLF1045N-220M01	220	22	59	1KHz/0.5v	2.10
GSLF1045N-330M01	330	33	82	1KHz/0.5v	1.60
GSLF1045N-470M01	470	47	100	1KHz/0.5v	1.40
GSLF1045N-680M01	680	68	140	1KHz/0.5v	1.20
GSLF1045N-820M01	820	82	190	1KHz/0.5v	1.10
GSLF1045N-101M01	101	100	200	1KHz/0.5v	1.00
GSLF1045N-221M01	221	220	470	1KHz/0.5v	0.65
GSLF1045N-331M01	331	330	680	1KHz/0.5v	0.54
GSLF1045N-471M01	471	470	1030	1KHz/0.5v	0.47
GSLF1045N-681M01	681	680	1600	1KHz/0.5v	0.38
GSLF1045N-821M01	821	820	1800	1KHz/0.5v	0.33
GSLF1045N-102M01	102	1000	2800	1KHz/0.5v	0.32

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# GSLF Series (SHIELDED)

## ELECTRICAL SPECIFICATION

GSLF1255N Series (Quantity: 500PCS)/GSLF1255N 系列 (数量: 500PCS)

Part Number	Marking	Inductance ( $\mu$ H)	DCR (m $\Omega$ ) $\pm$ 20%	Test Freq. (Hz)	Saturation Current(A)
GSLF1255N-100M01	100	10	22	1KHz/0.5v	3.40
GSLF1255N-150M01	150	15	26	1KHz/0.5v	2.80
GSLF1255N-220M01	220	22	34	1KHz/0.5v	2.30
GSLF1255N-330M01	330	33	42	1KHz/0.5v	1.90
GSLF1255N-470M01	470	47	62	1KHz/0.5v	1.60
GSLF1255N-680M01	680	68	83	1KHz/0.5v	1.30
GSLF1255N-101M01	101	100	117	1KHz/0.5v	1.10
GSLF1255N-151M01	151	150	190	1KHz/0.5v	0.80
GSLF1255N-221M01	221	220	270	1KHz/0.5v	0.72
GSLF1255N-331M01	331	330	410	1KHz/0.5v	0.59
GSLF1255N-471M01	471	470	520	1KHz/0.5v	0.49
GSLF1255N-681M01	681	680	760	1KHz/0.5v	0.43
GSLF1255N-102M01	102	1000	1120	1KHz/0.5v	0.34
GSLF1255N-152M01	152	1500	1730	1KHz/0.5v	0.29

GSLF1275N Series (Quantity: 350PCS)/GSLF1275N 系列 (数量: 350PCS)

Part Number	Marking	Inductance ( $\mu$ H)	DCR (m $\Omega$ ) $\pm$ 20%	Test Freq. (Hz)	Saturation Current(A)
GSLF1275N-6R8M01	6R8	6.8	13	1KHz/0.5v	5.90
GSLF1275N-100M01	100	10	16	1KHz/0.5v	4.40
GSLF1275N-150M01	150	15	18	1KHz/0.5v	3.70
GSLF1275N-220M01	220	22	26	1KHz/0.5v	3.50
GSLF1275N-330M01	330	33	39	1KHz/0.5v	3.40
GSLF1275N-390M01	390	39	44	1KHz/0.5v	3.10
GSLF1275N-470M01	470	47	53	1KHz/0.5v	3.00
GSLF1275N-560M01	560	56	69	1KHz/0.5v	1.80
GSLF1275N-680M01	680	68	78	1KHz/0.5v	2.00
GSLF1275N-820M01	820	82	110	1KHz/0.5v	1.50
GSLF1275N-101M01	101	100	125	1KHz/0.5v	1.50
GSLF1275N-151M01	151	150	175	1KHz/0.5v	1.30
GSLF1275N-181M01	181	180	200	1KHz/0.5v	1.20
GSLF1275N-221M01	221	220	258	1KHz/0.5v	1.00
GSLF1275N-331M01	331	330	370	1KHz/0.5v	0.88