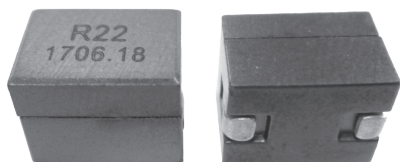




SMD Power Inductor

SLPI Series



Features

- High current carrying capacity
- Low core loss
- Ferrite core material
- Halogen free, lead free, RoHS compliant

Application

- Servers, Voltage Regulator Modules (VRMs)
- Data networking and storage systems
- Graphics cards and battery power systems

Part Numbering

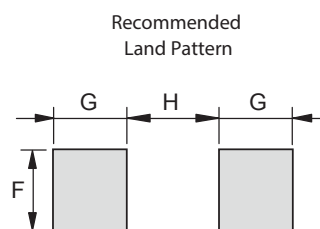
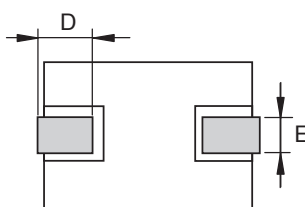
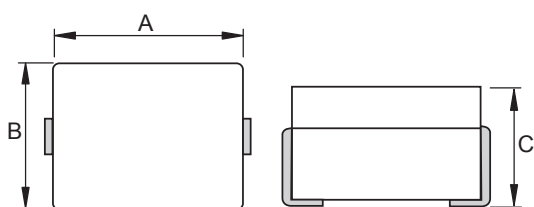
SLPI 0506 M - R11 M - □

1 2 3 4 5 6

- 1 Product Group
- 2 Dimension Code
- 3 Type Code
- 4 Inductance Code: R means decimal point
Ex: R11→0.11μH
- 5 Inductance Tolerance K=±10%, M=±20%
- 6 Control Code

Shapes and Dimension

SLPI0506 / SLPI1008



Unit: mm

Type	A	B	C	D	E	F	G	H
SLPI0506	5.00 (Max)	5.00 (Max)	6.60 (Max)	1.60 (Ref.)	1.40 (Ref.)	2.00±0.50	1.85±0.50	1.80±0.50
SLPI1008	10.40±0.20	7.80±0.20	7.80±0.20	2.30 (Ref.)	2.15 (Ref.)	2.54±0.50	3.56±0.50	4.06±0.50

• The specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.
 • The catalog has only typical specifications because there is no space for detailed specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

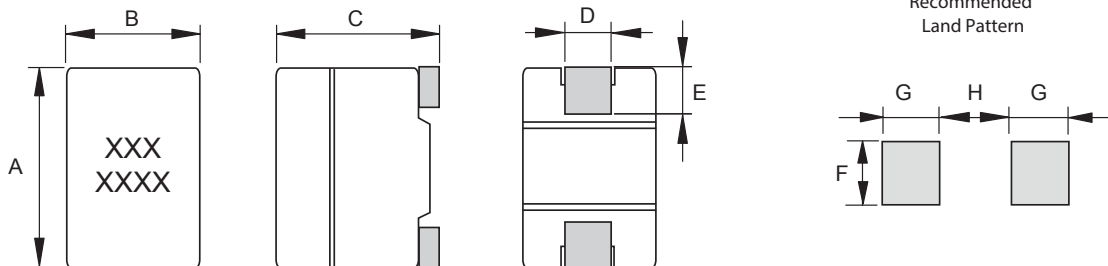


SMD Power Inductor

SLPI Series

Shapes and Dimension

SLPI0907



Unit: mm

Type	A	B	C	D	E	F	G	H
SLPI0907	9.60(Max)	6.40(Max)	8.00(Max)	2.14(Ref.)	2.30(Ref.)	2.54 ±0.50	3.20 ±0.50	4.00 ±0.50

General Technical Data

Operating Temperature Range	-40°C ~ +125°C
Storage Temperature	40°C Max. , 70%RHMax.

Electrical Characteristics

Part Number	Inductance	Test Frequency	DC Resistance (RDC)	Saturation Current (I_{SAT}) Typ.	Temperature Rise Current (I_{RMS}) Typ.
SLPI0506M Series					
SLPI0506M-R10M-□	0.10μH±20%	100KHz	0.27mΩ±7%	31.0A	53.0A
SLPI0506M-R11M-□	0.11μH±20%	100KHz	0.27mΩ±7%	31.0A	53.0A
SLPI1008M Series					
SLPI1008M-R15K-□	0.15μH±10%	100KHz	0.18mΩ±5%	75.0A	63.0A
SLPI1008M-R22K-□	0.22μH±10%	100KHz	0.18mΩ±5%	56.0A	63.0A
SLPI1008M-R30K-□	0.30μH±10%	100KHz	0.18mΩ±5%	40.0A	63.0A

- Saturation Current for Inductance becomes 20% lower than its initial value
- Temperature Rise Current for a 40°C rise above 25°C ambient

Part Number	Inductance	Test Frequency	DC Resistance (RDC)	Saturation Current (I_{SAT}) Typ.	Temperature Rise Current (I_{RMS}) Max.
SLPI0907 Series					
SLPI0907-R10K-□	100nH±10%	100KHz	0.29mΩ±5%	94.0A	51.0A
SLPI0907-R12K-□	120nH±10%	100KHz	0.29mΩ±5%	79.0A	51.0A
SLPI0907-R15K-□	150nH±10%	100KHz	0.29mΩ±5%	65.0A	51.0A
SLPI0907-R22K-□	220nH±10%	100KHz	0.29mΩ±5%	44.0A	51.0A
SLPI0907-R28K-□	280nH±10%	100KHz	0.29mΩ±5%	34.0A	51.0A
SLPI0907-R30K-□	300nH±10%	100KHz	0.29mΩ±5%	32.5A	51.0A

- Saturation Current for Inductance becomes 20% lower than its initial value
- Temperature Rise Current for a 40°C rise above 25°C ambient