

# SMD Power Inductors

## Features

- High permissible DC current and low DC resistance in compact size.
- Flat top reliable pick and place handling.
- Roasting temperature deflection, suitable for reflow soldering.
- Available in embossed tape and reel packing.



## Applications

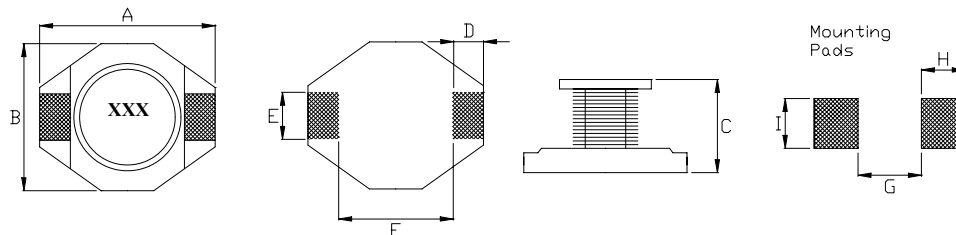
- Step-up or Step-down converters
- Digital Camcorders
- Car navigation systems, PDAs and others handheld electronic devices

## Part Number Systems

**SIP - 1311 – 100 – M - LF**  
 (1) (2) (3) (4) (5)

(1)	Product series	(2)	Size: 1311
(3)	Inductance Value: 100 = 10 uH	(4)	Inductance Tolerance: M = ± 20%, L = ±15%, K = ± 10%
(5)	ROHs Compliant		

## Shape And Dimensions



Unit: mm

Type	A (Max)	B (Max)	C (Max)	D Ref.	E Ref.	F Ref.	G Ref.	H Ref.	I Ref.
1311	13.50	9.50	11.50	2.54	2.54	8.00	7.37	3.00	2.79

## SMD Power Inductors

SIP-1311-Series			ELECTRICAL CHARACTERISTICS				
Part Number	Inductance ( $\mu$ H)	Tolerance	L Test Frequency	SRF (MHz) Typ.	Rdc (A) Max	Isat <sup>2</sup> (A)	Irms <sup>3</sup> (A)
SIP-1311-100M-LF	10	M	100KHz	22	0.04	8.0	3.5
SIP-1311-150M-LF	15	M	100KHz	18	0.05	7.0	3.0
SIP-1311-220M-LF	22	M	100KHz	11	0.07	5.5	2.5
SIP-1311-330M-LF	33	M	100KHz	9.0	0.08	4.0	2.0
SIP-1311-470M-LF	47	M	100KHz	8.0	0.11	3.8	1.6
SIP-1311-680M-LF	68	M	100KHz	7.0	0.17	3.0	1.2
SIP-1311-101M-LF	100	M	100KHz	5.0	0.22	2.5	1.2
SIP-1311-151M-LF	150	M	100KHz	4.0	0.34	2.0	0.9
SIP-1311-221M-LF	220	M	100KHz	3.5	0.44	1.6	0.7
SIP-1311-331M-LF	330	M	100KHz	2.5	0.70	1.2	0.6
SIP-1311-471M-LF	470	M	100KHz	2.0	0.95	1.0	0.3
SIP-1311-681M-LF	680	M	100KHz	2.0	1.20	1.0	0.2
SIP-1311-102M-LF	1000	M	100KHz	1.5	2.00	0.8	0.1

\* All specifications are subjected to change without prior notice.