

# SMD Power Inductors

## Features

- High permissible DC current and low DC resistance in compact size.
- Flat top reliable pick and place handling.
- Routing 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

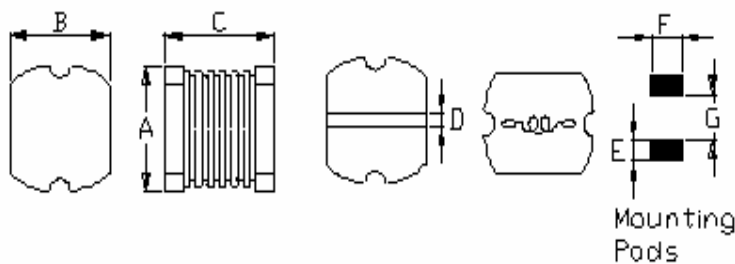
## Part Number Systems

**SI - 0316 - 331 - M - LF**

(1) (2) (3) (4) (5)

(1)	Product series	(2)	Size: 0316
(3)	Inductance Value: 331 = 330uH	(4)	Inductance Tolerance: M = ± 20%, L = ± 15%, K = ± 10%
(5)	ROHs Compliant		

## Shape And Dimensions



Unit: mm

Type	A	B	C (Max)	D Ref.	E Ref.	F Ref	G Ref.
0316	3.5 ± 0.3	3.0 ± 0.3	1.6 ± 0.3	0.8	1.20	3.2	1.2

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SI-0316-Series		ELECTRICAL CHARACTERISTICS			
Part Number	Inductance (uH)	Tolerance	L Test Frequency	Rdc ( $\Omega$ ) Max	Idc (A) Max
SI-0316-331M/K-LF	330	M, K	1KHZ	9.70	0.109
SI-0316-391M/K-LF	390	M, K	1KHZ	12.00	0.098
SI-0316-471M/K-LF	470	M, K	1KHZ	14.00	0.090
SI-0316-561M/K-LF	560	M, K	1KHZ	18.26	0.081
SI-0316-681M/K-LF	680	M, K	1KHZ	20.00	0.074
SI-0316-821M/K-LF	820	M, K	1KHZ	30.00	0.071
SI-0316-102M/K-LF	1000	M, K	1KHZ	34.00	0.066
SI-0316-122M/K-LF	1200	M, K	1KHZ	35.00	0.057
SI-0316-152M/K-LF	1500	M, K	1KHZ	74.90	0.060
SI-0316-182M/K-LF	1800	M, K	1KHZ	84.11	0.050
SI-0316-222M/K-LF	2200	M, K	1KHZ	97.37	0.050
SI-0316-252M/K-LF	2500	M, K	1KHZ	81.00	0.042
SI-0316-272M/K-LF	2700	M, K	1KHZ	93.00	0.038
SI-0316-332M/K-LF	3300	M, K	1KHZ	113.00	0.036

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