

# 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

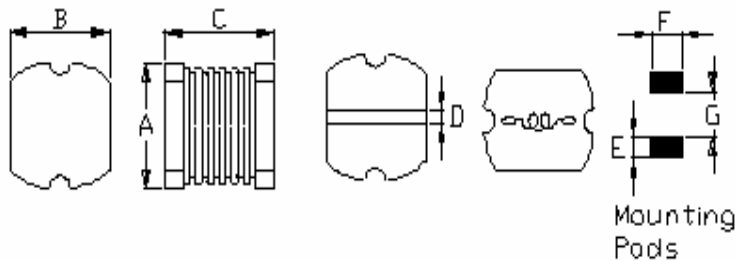
- Step-up or Step-down converters
- Digital Camcorders
- Car navigation systems, PDAs and others handheld electronic devices

## Part Number Systems

**SI - 0302 - 3R3 - M - LF**  
 (1) (2) (3) (4) (5)

(1)	Product series	(2)	Size: 0302
(3)	Inductance Value: 3R3 = 3.3uH	(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.
0302	3.5 ± 0.3	3.0 ± 0.3	2.1 ± 0.3	0.8	1.20	3.2	1.2

## SMD Power Inductors

SI-0302-Series		ELECTRICAL CHARACTERISTICS			
Part Number	Inductance (uH)	Tolerance	L Test Frequency	Rdc (Ω) Max	Idc (A) Max
SI-0302-1R0M-LF	1.0	M	1KHZ	0.035	3.34
SI-0302-1R4M-LF	1.4	M	1KHZ	0.045	3.01
SI-0302-1R8M-LF	1.8	M	1KHZ	0.054	2.68
SI-0302-2R2M-LF	2.2	M	1KHZ	0.059	2.35
SI-0302-2R7M-LF	2.7	M	1KHZ	0.077	2.01
SI-0302-3R3M-LF	3.3	M	1KHZ	0.098	1.83
SI-0302-3R9M-LF	3.9	M	1KHZ	0.117	1.64
SI-0302-4R7M-LF	4.7	M	1KHZ	0.137	1.50
SI-0302-5R6M-LF	5.6	M	1KHZ	0.157	1.36
SI-0302-6R8M-LF	6.8	M	1KHZ	0.196	1.22
SI-0302-8R2M-LF	8.2	M	1KHZ	0.230	1.09
SI-0302-100M-LF	10	M	1KHZ	0.286	0.95
SI-0302-120M-LF	12	M	1KHZ	0.322	0.88
SI-0302-150M-LF	15	M	1KHZ	0.398	0.82
SI-0302-180M-LF	18	M	1KHZ	0.520	0.76
SI-0302-220M-LF	22	M	1KHZ	0.570	0.69
SI-0302-270M-LF	27	M	1KHZ	0.760	0.62
SI-0302-330M-LF	33	M	1KHZ	0.870	0.56
SI-0302-390M-LF	39	M	1KHZ	1.100	0.51
SI-0302-470MLF	47	M	1KHZ	1.250	0.47
SI-0302-560M-LF	56	M	1KHZ	1.590	0.42
SI-0302-680M-LF	68	M	1KHZ	1.820	0.38
SI-0302-820M-LF	82	M	1KHZ	2.440	0.34
SI-0302-101M-LF	100	M	1KHZ	2.840	0.31
SI-0302-121M-LF	120	M	1KHZ	3.190	0.28
SI-0302-151M-LF	150	M	1KHZ	4.470	0.25
SI-0302-181M-LF	180	M	1KHZ	5.110	0.23
SI-0302-221M-LF	220	M	1KHZ	7.310	0.21
SI-0302-271M-LF	270	M	1KHZ	8.240	0.19
SI-0302-331M-LF	330	M	1KHZ	10.190	0.17
SI-0302-391M-LF	390	M	1KHZ	13.500	0.15
SI-0302-471M-LF	470	M	1KHZ	15.200	0.14

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