

# 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

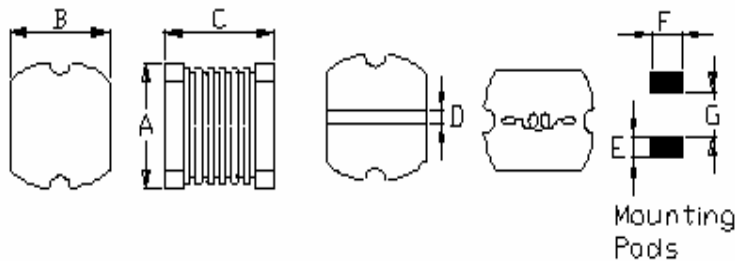
- Step-up or Step-down converters
- Digital Camcorders
- Car navigation systems, PDAs and others handheld electronic devices

## Part Number Systems

**SI - 0403 - 1R0 - M - LF**  
 (1) (2) (3) (4) (5)

(1)	Product series	(2)	Size: 0403
(3)	Inductance Value: 1R0 = 1.0uH	(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.
0403	4.5 ± 0.4	4.0 ± 0.3	3.2 ± 0.3	1.0	1.60	4.2	1.5

## SMD Power Inductors

SI-0403-Series		ELECTRICAL CHARACTERISTICS			
Part Number	Inductance (uH)	Tolerance	L Test Frequency	Rdc (Ω) Max	Idc (A) Max
SI-0403-1R0M-LF	1.0	M	7.96MHZ	0.033	3.80
SI-0403-1R4M-LF	1.4	M	7.96MHZ	0.038	3.30
SI-0403-1R8M-LF	1.8	M	7.96MHZ	0.042	2.91
SI-0403-2R2M-LF	2.2	M	7.96MHZ	0.047	2.60
SI-0403-2R7M-LF	2.7	M	7.96MHZ	0.052	2.43
SI-0403-3R3M-LF	3.3	M	7.96MHZ	0.058	2.15
SI-0403-3R9M-LF	3.9	M	7.96MHZ	0.076	1.98
SI-0403-4R7M-LF	4.7	M	7.96MHZ	0.094	1.70
SI-0403-5R6M-LF	5.6	M	7.96MHZ	0.101	1.60
SI-0403-6R8M-LF	6.8	M	7.96MHZ	0.117	1.41
SI-0403-8R2M-LF	8.2	M	7.96MHZ	0.132	1.26
SI-0403-100M-LF	10	M	2.52MHZ	0.182	1.15
SI-0403-120M-LF	12	M	2.52MHZ	0.210	1.05
SI-0403-150M-LF	15	M	2.52MHZ	0.235	0.92
SI-0403-180M-LF	18	M	2.52MHZ	0.338	0.84
SI-0403-220M-LF	22	M	2.52MHZ	0.378	0.76
SI-0403-270M-LF	27	M	2.52MHZ	0.522	0.71
SI-0403-330K-LF	33	K	2.52MHZ	0.540	0.64
SI-0403-390K-LF	39	K	2.52MHZ	0.587	0.59
SI-0403-470K-LF	47	K	2.52MHZ	0.844	0.54
SI-0403-560K-LF	56	K	2.52MHZ	0.937	0.50
SI-0403-680K-LF	68	K	2.52MHZ	1.117	0.46

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