

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

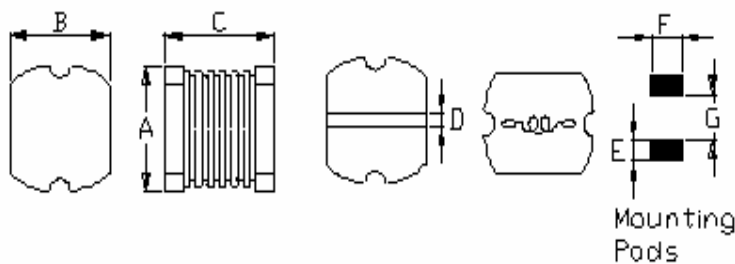
Part Number Systems

SI - 0705 - 100 - M - LF

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

(1)	Product series	(2)	Size: 0705
(3)	Inductance Value: 100 = 10uH	(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.
0705	7.8 ± 0.3	7.0 ± 0.3	5.0 ± 0.3	2.1	2.85	7.5	2.3

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SI-0705-Series		ELECTRICAL CHARACTERISTICS			
Part Number	Inductance (uH)	Tolerance	L Test Frequency	Rdc (Ω) Max	Idc (A) Max
SI-0705-100M-LF	10	K	2.52MHZ	0.070	2.30
SI-0705-120M-LF	12	K	2.52MHZ	0.080	2.00
SI-0705-150M-LF	15	K	2.52MHZ	0.090	1.80
SI-0705-180M-LF	18	K	2.52MHZ	0.100	1.60
SI-0705-220M-LF	22	K	2.52MHZ	0.110	1.50
SI-0705-270M-LF	27	K	2.52MHZ	0.120	1.30
SI-0705-330M-LF	33	K	2.52MHZ	0.130	1.20
SI-0705-390M-LF	39	K	2.52MHZ	0.160	1.10
SI-0705-470K-LF	47	K	2.52MHZ	0.180	1.10
SI-0705-560K-LF	56	K	2.52MHZ	0.240	0.94
SI-0705-680K-LF	68	K	2.52MHZ	0.280	0.85
SI-0705-820K-LF	82	K	2.52MHZ	0.370	0.78
SI-0705-101K-LF	100	K	1KHZ	0.430	0.72
SI-0705-121K-LF	120	K	1KHZ	0.470	0.66
SI-0705-151K-LF	150	K	1KHZ	0.640	0.58
SI-0705-181K-LF	180	K	1KHZ	0.710	0.51
SI-0705-221K-LF	220	K	1KHZ	0.960	0.49
SI-0705-271K-LF	270	K	1KHZ	1.110	0.42
SI-0705-331K-LF	330	K	1KHZ	1.260	0.40
SI-0705-391K-LF	390	K	1KHZ	1.770	0.36
SI-0705-471K-LF	470	K	1KHZ	1.960	0.34

Note: No marking on the inductor due to the size of the inductor are too small to accommodate.

* All specifications are subjected to change without prior notice.