

SMD Power Inductors

Features

- High current capacity.
- Low core loss for high frequency power application.
- Large terminal surface for good PCB bonding



Applications

- Computer
- DVD players
- DC-DC converters

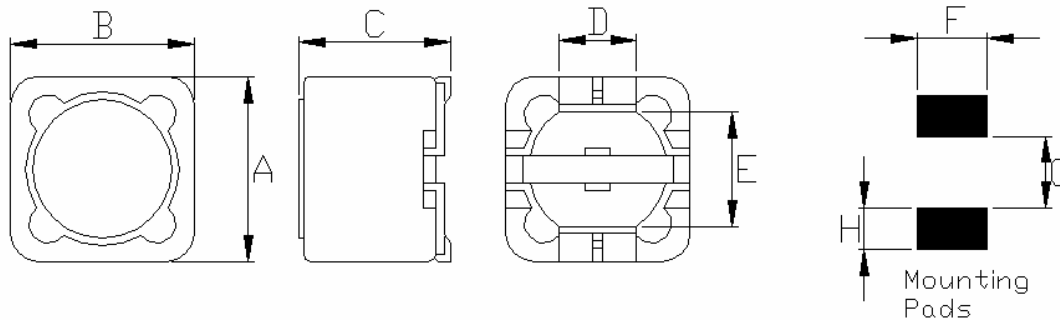
Part Number Systems

SIRH - 0603 - 100 - M - LF

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

(1)	Product series	(2)	Size: 0603
(3)	Inductance Value: 100 = 100uH	(4)	Inductance Tolerance:
(5)	ROHs Compliant		M = ± 20%, L = ±15%, K = ± 10%

Shape And Dimensions



Unit: mm

Type	A	B	C (Max)	D Ref.	E Ref.	F Ref.	G Ref.	H Ref.
0603	6.6 ± 0.3	6.2 ± 0.3	3.0	1.5	3.8	1.9	3.6	1.8

SMD Power Inductors

SIRH-0603-Series		ELECTRICAL CHARACTERISTICS			
Part Number	Inductance (uH)	Tolerance	L Test Frequency	Rdc (Ω) Max	Idc (A) Max
SIRH-0603-2R9M-LF	2.9	M	7.96MHZ	0.068	1.94
SIRH-0603-4R0M-LF	4.0	M	7.96MHZ	0.080	1.63
SIRH-0603-5R5M-LF	5.5	M	7.96MHZ	0.096	1.40
SIRH-0603-100M-LF	10	M	1KHZ	0.150	1.10
SIRH-0603-120M-LF	12	M	1KHZ	0.200	1.00
SIRH-0603-150M-LF	15	M	1KHZ	0.230	0.90
SIRH-0603-180M-LF	18	M	1KHZ	0.270	0.80
SIRH-0603-220M-LF	22	M	1KHZ	0.340	0.74
SIRH-0603-270M-LF	27	M	1KHZ	0.380	0.66
SIRH-0603-330M-LF	33	M	1KHZ	0.450	0.59
SIRH-0603-390M-LF	39	M	1KHZ	0.490	0.54
SIRH-0603-470M-LF	47	M	1KHZ	0.690	0.50
SIRH-0603-560M-LF	56	M	1KHZ	0.780	0.46
SIRH-0603-680M-LF	68	M	1KHZ	1.070	0.42
SIRH-0603-820M-LF	82	M	1KHZ	1.210	0.38
SIRH-0603-101M-LF	100	M	1KHZ	1.390	0.34
SIRH-0603-121M-LF	120	M	1KHZ	1.900	0.31
SIRH-0603-151M-LF	150	M	1KHZ	2.180	0.28
SIRH-0603-181M-LF	180	M	1KHZ	2.770	0.26
SIRH-0603-221M-LF	220	M	1KHZ	3.120	0.23
SIRH-0603-271M-LF	270	M	1KHZ	4.380	0.22
SIRH-0603-331M-LF	330	M	1KHZ	4.940	0.19

* All specifications are subjected to change without prior notice.