

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

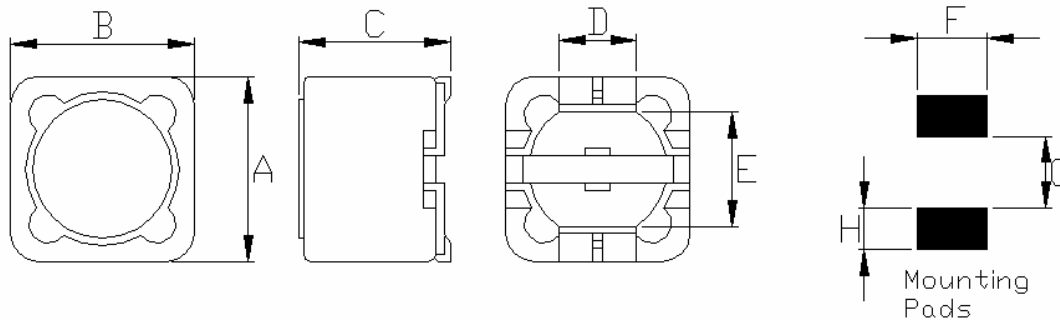
Part Number Systems

SIRH - 1205 - 100 - M - LF

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

(1)	Product series	(2)	Size: 1205
(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.
1205	12 ± 0.3	12 ± 0.3	6.0	5.0	7.6	5.4	7.0	2.8

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SIRH-1205-Series		ELECTRICAL CHARACTERISTICS			
Part Number	Inductance (uH)	Tolerance	L Test Frequency	Rdc (Ω) Max	Idc (A) Max
SIRH-1205-1R3M-LF	1.3	M	7.96MHZ	0.012	8.00
SIRH-1205-2R1M-LF	2.1	M	7.96MHZ	0.014	7.00
SIRH-1205-3R1M-LF	3.1	M	7.96MHZ	0.017	6.00
SIRH-1205-4R4M-LF	4.4	M	7.96MHZ	0.020	5.00
SIRH-1205-5R8M-LF	5.8	M	7.96MHZ	0.021	4.40
SIRH-1205-7R5M-LF	7.5	M	7.96MHZ	0.024	4.20
SIRH-1205-100M-LF	10	M	1KHZ	0.025	4.00
SIRH-1205-120M-LF	12	M	1KHZ	0.027	3.50
SIRH-1205-150M-LF	15	M	1KHZ	0.030	3.30
SIRH-1205-180M-LF	18	M	1KHZ	0.034	3.00
SIRH-1205-220M-LF	22	M	1KHZ	0.036	2.80
SIRH-1205-270M-LF	27	M	1KHZ	0.051	2.30
SIRH-1205-330M-LF	33	M	1KHZ	0.057	0.10
SIRH-1205-390M-LF	39	M	1KHZ	0.068	2.00
SIRH-1205-470M-LF	47	M	1KHZ	0.075	1.80
SIRH-1205-560M-LF	56	M	1KHZ	0.110	1.70
SIRH-1205-680M-LF	68	M	1KHZ	0.120	1.50
SIRH-1205-820M-LF	82	M	1KHZ	0.140	1.40
SIRH-1205-101M-LF	100	M	1KHZ	0.160	1.30
SIRH-1205-121M-LF	120	M	1KHZ	0.170	1.10
SIRH-1205-151M-LF	150	M	1KHZ	0.230	1.00
SIRH-1205-181M-LF	180	M	1KHZ	0.290	0.90
SIRH-1205-221M-LF	220	M	1KHZ	0.400	0.80
SIRH-1205-271M-LF	270	M	1KHZ	0.460	0.75
SIRH-1205-331M-LF	330	M	1KHZ	0.510	0.68
SIRH-1205-391M-LF	390	M	1KHZ	0.690	0.65
SIRH-1205-471M-LF	470	M	1KHZ	0.770	0.58
SIRH-1205-561M-LF	560	M	1KHZ	0.860	0.54
SIRH-1205-681M-LF	680	M	1KHZ	1.200	0.48
SIRH-1205-821M-LF	820	M	1KHZ	1.340	0.43
SIRH-1205-102M-LF	1000	M	1KHZ	1.530	0.40

* All specifications are subjected to change without prior notice.