



## ■ DIMENSIONS (mm)

Part No.	A	B	C	D	E	F	G
SIPC 3010	2.9 ± 0.2	2.9 ± 0.2	1.0 Max.	1.5 Typ.	0.7 Typ.	1.2 Typ.	0.7 Typ.
SIPC 3012	2.9 ± 0.2	2.9 ± 0.2	1.2 Max.	1.5 Typ.	0.7 Typ.	1.2 Typ.	0.7 Typ.
SIPC 3015	2.9 ± 0.2	2.9 ± 0.2	1.5 Max.	1.5 Typ.	0.7 Typ.	1.2 Typ.	0.7 Typ.
SIPC 3020	2.9 ± 0.2	2.9 ± 0.2	2.0 Max.	1.5 Typ.	0.7 Typ.	1.2 Typ.	0.7 Typ.
SIPC 4010	3.9 ± 0.2	3.9 ± 0.2	1.0 Max.	2.1 Typ.	0.9 Typ.	1.6 Typ.	1.1 Typ.
SIPC 4012	3.9 ± 0.2	3.9 ± 0.2	1.2 Max.	2.1 Typ.	0.9 Typ.	1.6 Typ.	1.1 Typ.
SIPC 4015	3.9 ± 0.2	3.9 ± 0.2	1.5 Max.	2.1 Typ.	0.9 Typ.	1.6 Typ.	1.1 Typ.
SIPC 4018	3.9 ± 0.2	3.9 ± 0.2	1.8 Max.	2.1 Typ.	0.9 Typ.	1.6 Typ.	1.1 Typ.
SIPC 5010	4.9 ± 0.2	4.9 ± 0.2	1.0 Max.	2.7 Typ.	1.1 Typ.	2.0 Typ.	1.5 Typ.
SIPC 5012	4.9 ± 0.2	4.9 ± 0.2	1.2 Max.	2.7 Typ.	1.1 Typ.	2.0 Typ.	1.5 Typ.
SIPC 5015	4.9 ± 0.2	4.9 ± 0.2	1.5 Max.	2.7 Typ.	1.1 Typ.	2.0 Typ.	1.5 Typ.
SIPC 5020	4.9 ± 0.2	4.9 ± 0.2	2.0 Max.	2.7 Typ.	1.1 Typ.	2.0 Typ.	1.5 Typ.

## ■ LAND PATTERNS(mm)

Part No.	H	I	J
SIPC 3010	3.4	1.4	1.6
SIPC 3012	3.4	1.4	1.6
SIPC 3015	3.4	1.4	1.6
SIPC 3020	3.4	1.4	1.6
SIPC 4010	4.4	2.0	2.0
SIPC 4012	4.4	2.0	2.0
SIPC 4015	4.4	2.0	2.0
SIPC 4018	4.4	2.0	2.0
SIPC 5010	5.4	2.5	2.4
SIPC 5012	5.4	2.5	2.4
SIPC 5015	5.4	2.5	2.4
SIPC 5020	5.4	2.5	2.4

## ■ PACKAGE

Type	SIPC series
Q'TY/Reel	3000

No.	Part No.	L ( $\mu\text{H}$ )	RDC $\pm 20\%$ ( $\Omega$ )	Isat Max (A)	Irms Max (A)	Marking
1	SIPC 3010-1R2N-F	1.2	0.072	1.30	1.60	B
2	SIPC 3010-1R5N-F	1.5	0.086	1.10	1.45	C
3	SIPC 3010-2R2N-F	2.2	0.12	0.95	1.25	E
4	SIPC 3010-3R3N-F	3.3	0.17	0.80	1.00	G
5	SIPC 3010-4R7M-F	4.7	0.25	0.65	0.85	I
6	SIPC 3010-5R6M-F	5.6	0.30	0.60	0.78	J
7	SIPC 3010-6R8M-F	6.8	0.35	0.55	0.70	K
8	SIPC 3010-100M-F	10	0.49	0.45	0.60	M
9	SIPC 3010-150M-F	15	0.68	0.38	0.50	O
10	SIPC 3010-220M-F	22	1.00	0.33	0.40	Q
1	SIPC 3012-R68N-F	0.68	0.044	2.10	1.85	8
2	SIPC 3012-1R0N-F	1.0	0.053	1.90	1.70	A
3	SIPC 3012-1R2N-F	1.2	0.053	1.90	1.70	B
4	SIPC 3012-1R5N-F	1.5	0.067	1.70	1.55	C
5	SIPC 3012-2R2N-F	2.2	0.093	1.30	1.40	E
6	SIPC 3012-3R3N-F	3.3	0.13	1.10	1.20	G
7	SIPC 3012-4R7M-F	4.7	0.19	0.95	0.95	I
8	SIPC 3012-6R8M-F	6.8	0.26	0.80	0.80	K
9	SIPC 3012-100M-F	10	0.36	0.65	0.67	M
10	SIPC 3012-150M-F	15	0.53	0.55	0.56	O
11	SIPC 3012-220M-F	22	0.79	0.45	0.41	Q
12	SIPC 3012-330M-F	33	1.14	0.36	0.31	S
13	SIPC 3012-470M-F	47	1.53	0.30	0.22	U
1	SIPC 3015-R68N-F	0.68	0.038	3.40	2.00	8
2	SIPC 3015-1R0N-F	1.0	0.044	3.00	1.85	A
3	SIPC 3015-1R2N-F	1.2	0.055	2.50	1.70	B
4	SIPC 3015-1R5N-F	1.5	0.071	2.20	1.55	C
5	SIPC 3015-1R8N-F	1.8	0.079	2.00	1.45	D
6	SIPC 3015-2R2N-F	2.2	0.099	1.90	1.35	E
7	SIPC 3015-3R3N-F	3.3	0.12	1.60	1.25	G
8	SIPC 3015-4R7M-F	4.7	0.18	1.30	1.05	I
9	SIPC 3015-6R8M-F	6.8	0.22	1.10	0.95	K
10	SIPC 3015-100M-F	10	0.33	0.95	0.75	M
11	SIPC 3015-220M-F	22	0.78	0.65	0.42	Q
12	SIPC 3015-470M-F	47	1.68	0.40	0.26	U
1	SIPC 3020-1R0N-F	1.0	0.051	3.60	1.75	A
2	SIPC 3020-1R5N-F	1.5	0.072	2.90	1.55	C
3	SIPC 3020-2R2N-F	2.2	0.089	2.50	1.40	E
4	SIPC 3020-3R3N-F	3.3	0.13	1.90	1.20	G
5	SIPC 3020-4R7M-F	4.7	0.17	1.60	1.05	I
6	SIPC 3020-6R8M-F	6.8	0.26	1.30	0.88	K
7	SIPC 3020-100M-F	10	0.36	1.10	0.73	M
8	SIPC 3020-150M-F	15	0.57	0.90	0.57	O
9	SIPC 3020-220M-F	22	0.89	0.74	0.40	Q
10	SIPC 3020-330M-F	33	1.10	0.62	0.36	S
11	SIPC 3020-470M-F	47	1.71	0.50	0.25	U

Test Frequency is 100KHz/0.1V specify the inductance tolerance : M =  $\pm 20\%$  , N =  $\pm 30\%$ .

Isat : Based on inductance change ( $\Delta L/L_0$  :  $\leq -30\%$ ) @ ambient temp. 25°C

Irms : Based on temperature rise ( $\Delta T$  : 40°C TYP.)

No.	Part No.	L ( $\mu\text{H}$ )	RDC $\pm 20\%$ ( $\Omega$ )	Isat Max (A)	Irms Max (A)	Marking
1	SIPC 4010-1R0N-F	1.0	0.056	1.40	1.70	3A
2	SIPC 4010-1R5N-F	1.5	0.072	1.20	1.60	3C
3	SIPC 4010-2R2N-F	2.2	0.084	1.10	1.55	3E
4	SIPC 4010-3R3N-F	3.3	0.11	0.90	1.35	3G
5	SIPC 4010-4R7M-F	4.7	0.16	0.80	1.15	3I
6	SIPC 4010-6R8M-F	6.8	0.23	0.65	0.90	3K
7	SIPC 4010-100M-F	10	0.31	0.50	0.75	3M
8	SIPC 4010-150M-F	15	0.41	0.45	0.65	3O
9	SIPC 4010-220M-F	22	0.66	0.40	0.50	3Q
10	SIPC 4010-330M-F	33	0.96	0.30	0.38	3S
11	SIPC 4010-470M-F	47	1.23	0.25	0.33	3U
1	SIPC 4012-1R0N-F	1.0	0.042	2.30	1.90	3A
2	SIPC 4012-1R5N-F	1.5	0.057	1.90	1.70	3C
3	SIPC 4012-2R2N-F	2.2	0.09	1.50	1.55	3E
4	SIPC 4012-3R3N-F	3.3	0.10	1.30	1.40	3G
5	SIPC 4012-4R7M-F	4.7	0.13	1.10	1.25	3I
6	SIPC 4012-6R8M-F	6.8	0.18	0.95	1.05	3K
7	SIPC 4012-100M-F	10	0.28	0.75	0.80	3M
8	SIPC 4012-150M-F	15	0.39	0.65	0.70	3O
9	SIPC 4012-220M-F	22	0.53	0.55	0.60	3Q
10	SIPC 4012-330M-F	33	0.85	0.45	0.40	3S
11	SIPC 4012-470M-F	47	1.14	0.38	0.35	3U
1	SIPC 4015-1R0N-F	1.0	0.048	3.60	1.85	3A
2	SIPC 4015-1R5N-F	1.5	0.057	2.90	1.70	3C
3	SIPC 4015-2R2N-F	2.2	0.066	2.50	1.60	3E
4	SIPC 4015-3R3N-F	3.3	0.094	2.20	1.45	3G
5	SIPC 4015-4R7M-F	4.7	0.12	1.90	1.30	3I
6	SIPC 4015-100M-F	10	0.23	1.10	0.95	3M
1	SIPC 4018-1R0N-F	1.0	0.050	4.70	1.85	3A
2	SIPC 4018-1R5N-F	1.5	0.060	3.70	1.70	3C
3	SIPC 4018-1R8N-F	1.8	0.065	3.40	1.65	3D
4	SIPC 4018-2R2M-F	2.2	0.074	3.20	1.60	3E
5	SIPC 4018-3R3M-F	3.3	0.097	2.70	1.45	3G
6	SIPC 4018-4R7M-F	4.7	0.12	2.20	1.30	3I
7	SIPC 4018-6R8M-F	6.8	0.17	1.80	1.15	3K
8	SIPC 4018-100M-F	10	0.24	1.50	1.00	3M

Test Frequency is 100KHz/0.1V

specify the inductance tolerance : M =  $\pm 20\%$  , N =  $\pm 30\%$ .

Isat : Based on inductance change ( $\Delta L/L_0 : \leq -30\%$ ) @ ambient temp. 25°C

Irms : Based on temperature rise ( $\Delta T : 40^\circ\text{C TYP.}$ )

No.	Part No.	L ( $\mu$ H)	RDC $\pm 20\%$ ( $\Omega$ )	Isat Max (A)	Irms Max (A)	Marking
1	SIPC 5010-1R0N-F	1.0	0.054	1.80	2.00	1R0
2	SIPC 5010-1R5N-F	1.5	0.067	1.50	1.80	1R5
3	SIPC 5010-2R2N-F	2.2	0.081	1.20	1.70	2R2
4	SIPC 5010-3R3N-F	3.3	0.096	1.05	1.60	3R3
5	SIPC 5010-4R7M-F	4.7	0.14	0.80	1.35	4R7
6	SIPC 5010-6R8M-F	6.8	0.18	0.70	1.20	6R8
7	SIPC 5010-100M-F	10	0.22	0.65	1.10	100
8	SIPC 5010-150M-F	15	0.31	0.53	0.93	150
9	SIPC 5010-220M-F	22	0.45	0.47	0.75	220
10	SIPC 5010-330M-F	33	0.68	0.35	0.57	330
11	SIPC 5010-470M-F	47	1.10	0.30	0.45	470
1	SIPC 5012-2R2N-F	2.2	0.072	1.90	1.80	2R2
2	SIPC 5012-3R3N-F	3.3	0.083	1.60	1.65	3R3
3	SIPC 5012-4R7M-F	4.7	0.13	1.40	1.40	4R7
4	SIPC 5012-6R8M-F	6.8	0.16	1.10	1.25	6R8
5	SIPC 5012-100M-F	10	0.25	0.90	1.05	100
1	SIPC 5015-1R0N-F	1.0	0.052	3.50	2.05	1R0
2	SIPC 5015-1R5N-F	1.5	0.061	2.80	1.90	1R5
3	SIPC 5015-2R2N-F	2.2	0.071	2.50	1.75	2R2
4	SIPC 5015-3R3N-F	3.3	0.09	2.00	1.65	3R3
5	SIPC 5015-4R7M-F	4.7	0.10	1.80	1.55	4R7
6	SIPC 5015-6R8M-F	6.8	0.14	1.50	1.35	6R8
7	SIPC 5015-100M-F	10	0.21	1.20	1.10	100
8	SIPC 5015-150M-F	15	0.28	0.95	0.97	150
9	SIPC 5015-220M-F	22	0.40	0.80	0.79	220
10	SIPC 5015-330M-F	33	0.61	0.62	0.60	330
11	SIPC 5015-470M-F	47.0	0.850	0.55	0.51	470
1	SIPC 5020-1R0N-F	1.0	0.048	5.60	2.10	1R0
2	SIPC 5020-1R2N-F	1.2	0.058	4.70	1.95	1R2
3	SIPC 5020-1R5N-F	1.5	0.07	4.20	1.80	1R5
4	SIPC 5020-2R2N-F	2.2	0.08	3.40	1.70	2R2
5	SIPC 5020-3R3N-F	3.3	0.09	2.80	1.65	3R3
6	SIPC 5020-3R9N-F	3.9	0.10	2.60	1.60	3R9
7	SIPC 5020-4R7M-F	4.7	0.11	2.40	1.50	4R7
8	SIPC 5020-6R8M-F	6.8	0.14	2.20	1.35	6R8
9	SIPC 5020-100M-F	10	0.17	2.00	1.20	100
10	SIPC 5020-150M-F	15	0.23	1.50	1.05	150
11	SIPC 5020-220M-F	22	0.35	1.20	0.85	220
12	SIPC 5020-330M-F	33	0.48	1.00	0.70	330
13	SIPC 5020-470M-F	47	0.67	0.90	0.55	470

Test Frequency is 100KHz/0.1V

specify the inductance tolerance : M =  $\pm 20\%$  , N =  $\pm 30\%$ .

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