SCHMID-M EMC & Inductors

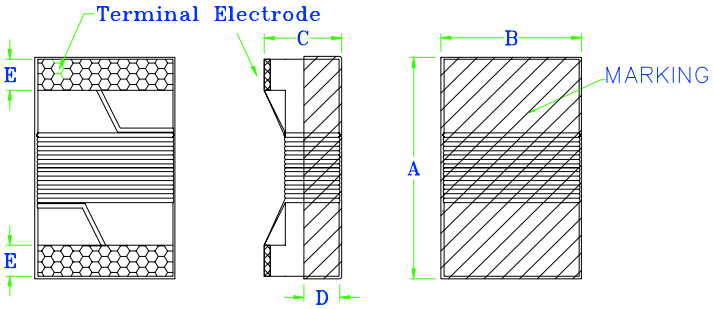
High-Frequency Wound Chip Inductor

FEATURES

- SWI1008C inductance is from 3.3nH to 47uH
- High reliability and easy surface mount assembly
- Consisting of size 0402~1210 sizes
- High quality factor

APPLICATIONS

- Computer products, mother board, TV card
- Power supplier, OA products, modem….
- Communications
- Countermeasures for complying with CE, FCC, VDE or VCCI radialiated emissions
- ADSL, mobile phones, bluetooth



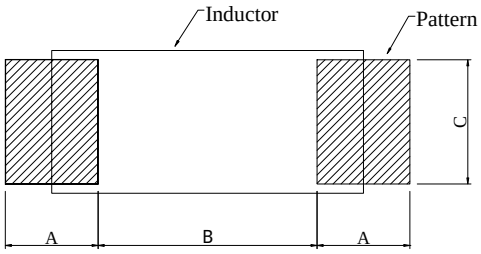
DIMENSIONS (mm)

No.	Part No.	Size (mm)				
		A	B	C	D	E
1	SWI 0402C	1.0 ± 0.10	0.55 ± 0.10	0.50 ± 0.10	0.5 Ref.	0.20 ± 0.10
2	SWI 0603C	1.6 ± 0.20	1.05 ± 0.20	1.05 ± 0.20	0.5 Ref.	0.35 ± 0.10
3	SWI 0805C	2.0 ± 0.20	1.25 ± 0.20	1.20 ± 0.20	0.5 Ref.	0.40 ± 0.20
4	SWI 1008C	2.5 ± 0.20	2.00 ± 0.20	1.60 ± 0.20	0.5 Ref.	0.50 ± 0.20
5	SWI 1210C	3.2 ± 0.20	2.50 ± 0.20	2.20 ± 0.20	0.5 Ref.	0.50 ± 0.20

Material Type : C = Ceramic Material ; F = Ferrite Material

RECOMMENDED PATTERN

Part No.	A	B	C
SWI 0402C	0.36	0.46	0.66
SWI 0603C	0.64	0.64	1.02
SWI 0805C	1.02	0.76	1.78
SWI 1008C	1.02	1.27	2.54
SWI 1210C	1.00	2.00	2.70



PACKAGE

Type	SWI 0402C	SWI 0603C	SWI 0805C	SWI 1008C	SWI 1210C
Q'TY/Reel	10,000	3,000	2,000	2,000	2,000

High-Frequency Wound Chip Inductor

No.	Part No.	Inductance (nH)	Q Min.	SRF Min. (MHz)	RDC Max. (Ω)	IDC Max. (mA)
1	SWI 0805C-2N2S	2.2 @ 250MHz	50 @ 1000MHz	6000	0.06	800
2	SWI 0805C-2N7S	2.7 @ 250MHz	35 @ 1000MHz	6000	0.08	800
3	SWI 0805C-3N3S	3.3 @ 250MHz	60 @ 1000MHz	6000	0.08	800
4	SWI 0805C-3N9S	3.9 @ 250MHz	60 @ 1000MHz	6000	0.06	600
5	SWI 0805C-4N7S	4.7 @ 250MHz	60 @ 1000MHz	5800	0.06	600
6	SWI 0805C-5N6□	5.6 @ 250MHz	60 @ 1000MHz	5800	0.08	600
7	SWI 0805C-6N8□	6.8 @ 250MHz	60 @ 1000MHz	5500	0.06	600
8	SWI 0805C-8N2□	8.2 @ 250MHz	60 @ 1000MHz	5500	0.06	600
9	SWI 0805C-10N□	10 @ 250MHz	60 @ 500MHz	4800	0.08	600
10	SWI 0805C-12N□	12 @ 250MHz	60 @ 500MHz	4100	0.08	600
11	SWI 0805C-15N□	15 @ 250MHz	60 @ 500MHz	3600	0.08	600
12	SWI 0805C-18N□	18 @ 250MHz	60 @ 500MHz	3400	0.08	600
13	SWI 0805C-22N□	22 @ 250MHz	60 @ 500MHz	3300	0.10	600
14	SWI 0805C-27N□	27 @ 250MHz	60 @ 500MHz	2600	0.12	600
15	SWI 0805C-33N□	33 @ 250MHz	60 @ 500MHz	2400	0.15	500
16	SWI 0805C-39N□	39 @ 250MHz	60 @ 500MHz	2100	0.18	500
17	SWI 0805C-47N□	47 @ 200MHz	60 @ 500MHz	1700	0.15	500
18	SWI 0805C-56N□	56 @ 200MHz	60 @ 500MHz	1600	0.25	500
19	SWI 0805C-68N□	68 @ 200MHz	60 @ 500MHz	1450	0.27	500
20	SWI 0805C-82N□	82 @ 150MHz	60 @ 500MHz	1350	0.32	500
21	SWI 0805C-R10□	100 @ 150MHz	60 @ 500MHz	1200	0.43	500
22	SWI 0805C-R12□	120 @ 150MHz	50 @ 250MHz	1100	0.48	500
23	SWI 0805C-R15□	150 @ 100MHz	50 @ 250MHz	950	0.56	400
24	SWI 0805C-R18□	180 @ 100MHz	50 @ 250MHz	900	0.78	400
25	SWI 0805C-R22□	220 @ 100MHz	50 @ 250MHz	860	1.00	400
26	SWI 0805C-R27□	270 @ 100MHz	45 @ 250MHz	850	1.46	350
27	SWI 0805C-R33□	330 @ 100MHz	45 @ 250MHz	800	1.65	300
28	SWI 0805C-R39□	390 @ 100MHz	45 @ 250MHz	780	2.20	210

□ : Tolerance : S = ± 0.3nH ; G = ± 2% ; J = ± 5% ; K = ± 10%