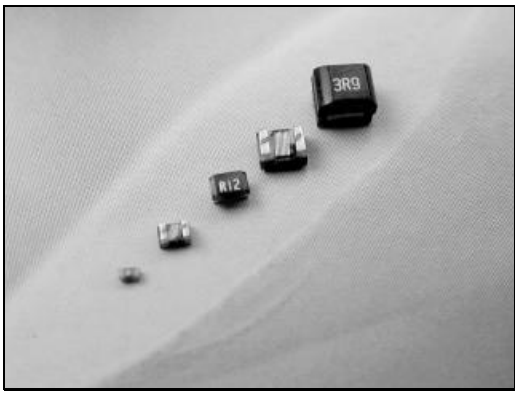
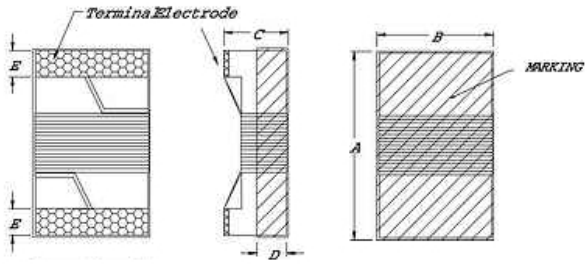
RF Wire Wound Inductor-
SWI-C Series





Features

- High reliability and easy surface mount assembly
- Consisting of sizes 0402-1210
- High quality factor

Dimensions

Part No.	A	B	C	D	E
SWI0402C	1.0 ± 0.10	0.55 ± 0.10	0.50 ± 0.10	0.5 REF.	0.20 ± 0.10
SWI0603C	1.6 ± 0.20	1.05 ± 0.20	1.05 ± 0.20	0.5 REF.	0.35 ± 0.10
SWI0805C/F	2.0 ± 0.20	1.25 ± 0.20	1.20 ± 0.20	0.5 REF.	0.40 ± 0.20
SWI1008C/F	2.5 ± 0.20	2.00 ± 0.20	1.60 ± 0.20	0.5 REF.	0.50 ± 0.10
SWI1210C/F	3.2 ± 0.20	2.50 ± 0.20	2.20 ± 0.20	0.5 REF.	0.50 ± 0.10
Matrerial Type : C = Ceramic Material ; F = Ferrite Material					

Ordering Information

SWI 0402C-47N K

- K — Tolerance Code
- 47N — Dimensions
- 0402C — Dimensions
- SWI — Series

TYPE	SWI0402C	SWI0603C	SWI0805C/F	SWI1008C/F	SWI1210C/F
QTY /REEL	10000 pcs.	3000 pcs.	2000 pcs.	2000 pcs.	2000 pcs.

Characteristics-SWI0402C

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

Part No.	Inductance (nH)	Q Typical		Test Frequency (MHz)	SRF Min. (MHz)	RDC Max. (Ω)	IDC Max. (mA)
		min	900 MHz				
SWI0402C-1N0S	1.0	13	26	250	6000	0.045	1360
SWI0402C-2N0S	2.0	16	30	250	6000	0.070	1040
SWI0402C-2N2S	2.2	18	32	250	6000	0.070	960
SWI0402C-3N3S	3.3	20	41	250	6000	0.066	840
SWI0402C-3N6S	3.6	20	43	250	6000	0.066	840
SWI0402C-3N9S	3.9	20	41	250	5800	0.066	840
SWI0402C-5N1 *	5.1	23	49	250	5800	0.083	800
SWI0402C-5N6 *	5.6	23	46	250	5800	0.083	760
SWI0402C-6N2 *	6.2	23	49	250	5800	0.083	760
SWI0402C-7N5 *	7.5	25	50	250	5800	0.104	680
SWI0402C-8N2 *	8.2	25	49	250	4400	0.104	680
SWI0402C-9N0 *	9.0	25	49	250	4160	0.104	680
SWI0402C-10N *	10.0	23	47	250	3900	0.195	480
SWI0402C-11N *	11.0	26	56	250	3680	0.120	640
SWI0402C-12N *	12.0	26	51	250	3600	0.120	640
SWI0402C-15N *	15.0	26	54	250	3280	0.172	560
SWI0402C-19N *	19.0	26	50	250	3040	0.202	480
SWI0402C-23N *	23.0	26	53	250	2720	0.214	400
SWI0402C-27N *	27.0	26	48	250	2480	0.298	400
SWI0402C-36N *	36.0	26	48	250	2320	0.403	320
SWI0402C-40N *	40.0	26	48	250	2240	0.438	320
SWI0402C-47N *	47.0	26	46	200	2100	0.830	150

Characteristics-SWI0603C

Part No.	Inductance (nH)	Q Typical		Test Frequency (MHz)	SRF Min. (MHz)	RDC Max. (Ω)	IDC Max. (mA)
		min	900 MHz				
SWI0603C-2N0S	2.0	16	31	250	6900	0.08	700
SWI0603C-3N9S	3.9	22	51	250	6900	0.08	700
SWI0603C-4N7S	4.7	20	47	250	5800	0.11	700
SWI0603C-6N8 *	6.8	30	63	250	5800	0.11	700
SWI0603C-8N2 *	8.2	30	72	250	4600	0.10	700
SWI0603C-10N *	10	30	66	250	4800	0.13	700
SWI0603C-12N *	12	35	72	250	4000	0.13	700
SWI0603C-15N *	15	35	68	250	4000	0.17	700
SWI0603C-18N *	18	38	77	250	3100	0.17	700
SWI0603C-22N *	22	38	70	250	3000	0.22	700
SWI0603C-27N *	27	40	75	250	2800	0.22	600
SWI0603C-33N *	33	43	78	250	2300	0.22	600
SWI0603C-39N *	39	43	66	250	2200	0.25	600
SWI0603C-47N *	47	40	65	250	2000	0.28	600
SWI0603C-56N *	56	40	66	200	1900	0.31	600
SWI0603C-68N *	68	40	57	200	1700	0.34	600
SWI0603C-72N *	72	35	60	200	1700	0.49	400
SWI0603C-82N *	82	35	58	150	1700	0.54	400
SWI0603C-R10 *	100	35	51	150	1400	0.63	400
SWI0603C-R12 *	120	35	45	150	1300	0.65	300
SWI0603C-R15 *	150	35	33	150	1000	0.92	280
SWI0603C-R18 *	180	30	26	100	1000	1.25	240
SWI0603C-R22 *	220	30	23	100	1000	1.70	200
SWI0603C-R27 *	270	30	10	100	1000	1.80	170

Characteristics-SWI0805C

Part No.	Inductance (nH)	Q (min)	Test Frequency L (MHz)	Test Frequency Q (MHz)	SRF Min. (MHz)	RDC Max. (Ω)	IDC Max. (mA)
SWI0805C-2N2S	2.2	50	250	1000	6000	0.06	800
SWI0805C-2N7S	2.7	35	250	1000	6000	0.08	800
SWI0805C-3N3S	3.3	60	250	1000	6000	0.08	800
SWI0805C-3N9S	3.9	60	250	1000	6000	0.06	600
SWI0805C-4N7S	4.7	60	250	1000	5800	0.06	600
SWI0805C-5N6 *	5.6	60	250	1000	5800	0.08	600
SWI0805C-6N8 *	6.8	60	250	1000	5500	0.06	600
SWI0805C-8N2 *	8.2	60	250	1000	5500	0.06	600
SWI0805C-10N *	10	60	250	500	4800	0.08	600
SWI0805C-12N *	12	60	250	500	4100	0.08	600
SWI0805C-15N *	15	60	250	500	3600	0.08	600
SWI0805C-18N *	18	60	250	500	3400	0.08	600
SWI0805C-22N *	22	60	250	500	3300	0.10	600
SWI0805C-27N *	27	60	250	500	2600	0.12	600
SWI0805C-33N *	33	60	250	500	2400	0.15	500
SWI0805C-39N *	39	60	250	500	2100	0.18	500
SWI0805C-47N *	47	60	200	500	1700	0.15	500
SWI0805C-56N *	56	60	200	500	1600	0.25	500
SWI0805C-68N *	68	60	200	500	1450	0.27	500
SWI0805C-82N *	82	60	150	500	1350	0.32	500
SWI0805C-R10 *	100	60	150	500	1200	0.43	500
SWI0805C-R12 *	120	50	150	250	1100	0.48	500
SWI0805C-R15 *	150	50	100	250	950	0.56	400
SWI0805C-R18 *	180	50	100	250	900	0.78	400
SWI0805C-R22 *	220	50	100	250	860	1.00	400
SWI0805C-R27 *	270	45	100	250	850	1.46	350
SWI0805C-R33 *	330	45	100	250	800	1.65	300
SWI0805C-R39 *	390	45	100	250	780	2.20	210

Characteristics-SWI1008C

Part No.	Inductance (nH)	Q (min)	Test Frequency L (MHz)	Test Frequency Q (MHz)	SRF Min. (MHz)	RDC Max. (Ω)	IDC Max. (mA)
SWI1008C-3N3 *	3.3	50	100	1000	6000	0.06	1000
SWI1008C-6N8 *	6.8	50	100	1000	5500	0.06	1000
SWI1008C-8N2 *	8.2	50	100	1000	5500	0.06	1000
SWI1008C-10N *	10	50	100	1000	4300	0.08	1000
SWI1008C-12N *	12	60	100	500	3600	0.08	1000
SWI1008C-15N *	15	60	100	500	2700	0.08	1000
SWI1008C-18N *	18	60	100	350	2700	0.10	1000
SWI1008C-22N *	22	60	100	350	2500	0.10	1000
SWI1008C-27N *	27	60	100	350	1800	0.10	1000
SWI1008C-33N *	33	60	100	350	1700	0.10	1000
SWI1008C-39N *	39	60	100	350	1500	0.10	1000
SWI1008C-47N *	47	60	100	350	1500	0.10	1000
SWI1008C-56N *	56	60	100	350	1350	0.12	1000
SWI1008C-68N *	68	60	100	350	1300	0.15	1000
SWI1008C-82N *	82	60	100	350	1100	0.18	1000
SWI1008C-R10 *	100	60	100	350	1100	0.18	1000
SWI1008C-R12 *	120	45	25	100	950	0.20	800
SWI1008C-R15 *	150	45	25	100	880	0.22	800
SWI1008C-R18 *	180	45	25	100	800	0.33	800
SWI1008C-R22 *	220	45	25	100	730	0.45	800
SWI1008C-R27 *	270	45	25	100	650	0.75	600
SWI1008C-R33 *	330	45	25	100	570	0.90	500
SWI1008C-R39 *	390	45	25	100	530	1.06	470
SWI1008C-R47 *	470	45	25	100	480	1.17	420
SWI1008C-R56 *	560	45	25	100	430	1.50	310
SWI1008C-R68 *	680	45	25	100	380	2.06	230
SWI1008C-R75 *	750	45	25	100	360	2.20	200
SWI1008C-R82 *	820	45	25	100	350	2.30	180
SWI1008C-R91 *	910	45	25	100	330	3.18	150
SWI1008C-1R0 *	1000	35	25	50	310	3.30	120

Characteristics-SWI1210C

Part No.	Inductance (nH)	Q (min)	Test Frequency L (MHz)	Test Frequency Q (MHz)	SRF Min. (MHz)	RDC Max. (Ω)	IDC Max. (mA)
SWI1210C-4N7 *	4.7	50	100	1000	6000	0.06	1000
SWI1210C-5N6 *	5.6	50	100	1000	5500	0.08	1000
SWI1210C-10N *	10	60	100	500	4000	0.06	1000
SWI1210C-12N *	12	60	100	500	3400	0.06	1000
SWI1210C-15N *	15	60	100	500	3200	0.06	1000
SWI1210C-18N *	18	60	100	300	2800	0.06	1000
SWI1210C-22N *	22	60	100	300	2300	0.08	1000
SWI1210C-27N *	27	60	100	300	2000	0.08	1000
SWI1210C-33N *	33	60	100	300	1800	0.08	1000
SWI1210C-39N *	39	60	100	300	1800	0.08	1000
SWI1210C-47N *	47	60	100	300	1600	0.08	1000
SWI1210C-56N *	56	60	100	300	1500	0.10	1000
SWI1210C-68N *	68	60	100	300	1300	0.10	1000
SWI1210C-82N *	82	60	100	300	1200	0.10	1000
SWI1210C-R10 *	100	60	100	300	1100	0.10	1000
SWI1210C-R12 *	120	60	50	300	900	0.12	800
SWI1210C-R15 *	150	60	50	300	800	0.18	800
SWI1210C-R18 *	180	60	50	300	760	0.21	800
SWI1210C-R22 *	220	60	50	300	660	0.27	800
SWI1210C-R27 *	270	50	50	300	600	0.33	700
SWI1210C-R33 *	330	50	50	100	550	0.37	650
SWI1210C-R39 *	390	50	50	100	500	0.63	600
SWI1210C-R47 *	470	50	50	100	450	0.69	550
SWI1210C-R56 *	560	50	50	100	400	0.90	450
SWI1210C-R68 *	680	50	25	100	380	1.05	400
SWI1210C-R82 *	820	50	25	100	350	1.45	350
SWI1210C-1R0 *	1000	45	25	100	300	1.90	280
SWI1210C-1R2 *	1200	45	7.96	50	300	2.20	250
SWI1210C-1R5 *	1500	45	7.96	50	250	2.43	220
SWI1210C-1R8 *	1800	45	7.96	50	200	3.36	180
SWI1210C-2R2 *	2200	40	7.96	50	200	3.50	150