

SWIxxxxCT TYPE

FEATURE

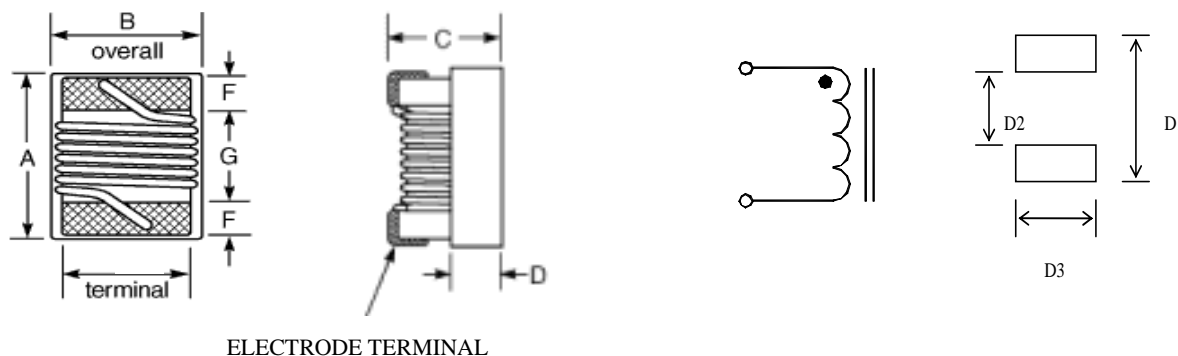
- 1. High frequency
- 2. Highest possible SRF as well as excellent Q values

Applications

- 1. Pager, Cordless phone and High freq. communication products

Shape and Dimension

Schematics and Land Patterns(mm)



Specification

Dimension in m/m

TYPE	A(Max)	B(Max)	C(Max)	D	F	G	D1	D2	D3
SWI0603CT	1.80	1.12	1.02	0.50	0.35	0.60	1.92	0.64	1.02
SWI0805CT	2.29	1.73	1.52	0.50	0.40	0.70	2.80	0.76	1.78
SWI1008CT	2.92	2.79	2.03	0.50	0.50	1.20	3.81	1.27	2.54
SWI1210CT	3.42	2.80	2.30	0.50	0.50	2.20	4.34	2.30	2.20

Note1. Measurement equipment of electrical : HP4291B,HP8753E,502BC

Note2. Measurement ambient temperature of L, DCR and IDC : at 25

Note3. Inductance tolerance: J: ±5% ; K: ±10%

Note5. This specification might be changed without notice due to under developing and improving.

Thank you for your understanding.

Part Number	L(nH)	Q min	SRF(MHz) TYP.	DCR(Max)	IDC(mA) (Max)
SWI0603CT-1N6K	1.6@250MHz	24	12500	0.030	700
SWI0603CT-1N8K	1.8@250MHz	16	12500	0.045	700
SWI0603CT-3N6K	3.6@250MHz	22	5900	0.063	700
SWI0603CT-3N9K	3.9@250MHz	22	6900	0.080	700
SWI0603CT-4N3K	4.3@250MHz	22	5900	0.063	700
SWI0603CT-4N7K	4.7@250MHz	20	5800	0.116	700
SWI0603CT-5N1K	5.1@250MHz	20	5700	0.140	700
SWI0603CT-6N8J	6.8@250MHz	27	5800	0.110	700
SWI0603CT-7N5J	7.5@250MHz	28	4800	0.106	700
SWI0603CT-8N7J	8.7@250MHz	28	4600	0.109	700
SWI0603CT-9N5J	9.5@250MHz	28	5400	0.135	700
SWI0603CT-10NJ	10@250MHz	31	4800	0.130	700
SWI0603CT-11NJ	11@250MHz	33	4000	0.086	700
SWI0603CT-12NJ	12@250MHz	35	4000	0.130	700
SWI0603CT-15NJ	15@250MHz	35	4000	0.170	700
SWI0603CT-16NJ	16@250MHz	34	3300	0.104	700
SWI0603CT-18NJ	18@250MHz	35	3100	0.170	700
SWI0603CT-22NJ	22@250MHz	38	3000	0.190	700
SWI0603CT-24NJ	24@250MHz	37	2650	0.135	700
SWI0603CT-27NJ	27@250MHz	40	2800	0.220	600
SWI0603CT-30NJ	30@250MHz	37	2250	0.144	600
SWI0603CT-33NJ	33@250MHz	40	2300	0.220	600
SWI0603CT-36NJ	36@250MHz	38	2080	0.250	600
SWI0603CT-39NJ	39@250MHz	40	2200	0.250	600
SWI0603CT-43NJ	43@250MHz	39	2000	0.280	600
SWI0603CT-47NJ	47@200MHz	38	2000	0.280	600
SWI0603CT-56NJ	56@200MHz	38	1900	0.310	600
SWI0603CT-68NJ	68@200MHz	37	1700	0.340	600
SWI0603CT-72NJ	72@150MHz	34	1700	0.490	400
SWI0603CT-82NJ	82@150MHz	34	1700	0.540	400
SWI0603CT-R10J	100@150MHz	34	1400	0.580	400
SWI0603CT-R11J	110@150MHz	32	1350	0.610	300
SWI0603CT-R12J	120@150MHz	32	1300	0.650	300
SWI0603CT-R15J	150@150MHz	28	990	0.920	280
SWI0603CT-R18J	180@100MHz	25	990	1.250	240

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Part Number	L(nH)	Q min	SRF(MHz) TYP.	DCR(Max)	IDC(mA) (Max)
SWI0603CT-R22J	220@100MHz	25	900	1.900	200
SWI0603CT-R27J	270@100MHz	24	900	2.300	170
SWI0805CT-2N8K	2.8@250MHz	80@1500MHz	7900	0.060	800
SWI0805CT-3N0K	3.0@250MHz	65@1500MHz	7900	0.060	800
SWI0805CT-3N3K	3.3@250MHz	50@1500MHz	7900	0.080	600
SWI0805CT-5N6K	5.6@250MHz	65@1000MHz	5500	0.080	600
SWI0805CT-6N8K	6.8@250MHz	50@1000MHz	5500	0.110	600
SWI0805CT-7N5K	7.5@250MHz	50@1000MHz	4500	0.140	600
SWI0805CT-8N2J	8.2@250MHz	50@1000MHz	4700	0.120	600
SWI0805CT-10NJ	10@250MHz	60@500MHz	4200	0.100	600
SWI0805CT-12NJ	12@250MHz	50@500MHz	4000	0.150	600
SWI0805CT-15NJ	15@250MHz	50@500MHz	3400	0.170	600
SWI0805CT-18NJ	18@250MHz	50@500MHz	3300	0.200	600
SWI0805CT-22NJ	22@250MHz	55@500MHz	2600	0.220	500
SWI0805CT-24NJ	24@250MHz	50@500MHz	2000	0.220	500
SWI0805CT-27NJ	27@250MHz	55@500MHz	2500	0.250	500
SWI0805CT-33NJ	33@250MHz	60@500MHz	2050	0.270	500
SWI0805CT-36NJ	36@250MHz	55@500MHz	1700	0.270	500
SWI0805CT-39NJ	39@250MHz	60@500MHz	2000	0.290	500
SWI0805CT-43NJ	43@200MHz	60@500MHz	1650	0.340	500
SWI0805CT-47NJ	47@200MHz	60@500MHz	1650	0.310	500
SWI0805CT-56NJ	56@200MHz	60@500MHz	1550	0.340	500
SWI0805CT-68NJ	68@200MHz	60@500MHz	1450	0.380	500
SWI0805CT-82NJ	82@150MHz	65@500MHz	1300	0.420	400
SWI0805CT-91NJ	91@150MHz	65@500MHz	1200	0.480	400
SWI0805CT-R10J	100@150MHz	65@500MHz	1200	0.460	400
SWI0805CT-R11J	110@150MHz	50@500MHz	1000	0.480	400
SWI0805CT-R12J	120@150MHz	50@250MHz	1100	0.510	400
SWI0805CT-R15J	150@100MHz	50@250MHz	920	0.560	400
SWI0805CT-R18J	180@100MHz	50@250MHz	870	0.640	400
SWI0805CT-R22J	220@100MHz	50@250MHz	850	0.700	400
SWI0805CT-R24J	240@100MHz	44@250MHz	690	1.000	350
SWI0805CT-R27J	270@100MHz	48@250MHz	650	1.000	350
SWI0805CT-R33J	330@100MHz	48@250MHz	600	1.400	310
SWI0805CT-R39J	390@100MHz	48@250MHz	560	1.500	290

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Part Number	L(nH)	Q min	SRF(MHz) TYP.	DCR(Max)	IDC(mA) (Max)
SWI0805CT-R47J	470@50MHz	33@100MHz	375	1.760	250
SWI0805CT-R56J	560@25MHz	23@50MHz	340	1.900	230
SWI0805CT-R68J	680@25MHz	23@50MHz	188	2.200	190
SWI0805CT-R82J	820@25MHz	23@50MHz	215	2.350	0.180
SWI1008CT-10NK	10@50MHz	50@500MHz	4100	0.08	1000
SWI1008CT-12NK	12@50MHz	50@500MHz	3300	0.09	1000
SWI1008CT-15NK	15@50MHz	50@500MHz	2500	0.10	1000
SWI1008CT-18NJ	18@50MHz	50@500MHz	2500	0.11	1000
SWI1008CT-22NJ	22@50MHz	55@350MHz	2400	0.12	1000
SWI1008CT-27NJ	27@50MHz	55@350MHz	1600	0.13	1000
SWI1008CT-33NJ	33@50MHz	60@350MHz	1600	0.14	1000
SWI1008CT-39NJ	39@50MHz	60@350MHz	1500	0.15	1000
SWI1008CT-47NJ	47@50MHz	65@350MHz	1500	0.16	1000
SWI1008CT-56NJ	56@50MHz	65@350MHz	1300	0.18	1000
SWI1008CT-68NJ	68@50MHz	65@350MHz	1300	0.20	1000
SWI1008CT-82NJ	82@50MHz	60@350MHz	1000	0.22	1000
SWI1008CT-R10J	100@25MHz	60@350MHz	1000	0.56	650
SWI1008CT-R12J	120@25MHz	60@350MHz	950	0.63	650
SWI1008CT-R15J	150@25MHz	45@100MHz	850	0.70	580
SWI1008CT-R18J	180@25MHz	45@100MHz	750	0.77	620
SWI1008CT-R22J	220@25MHz	45@100MHz	700	0.84	500
SWI1008CT-R27J	270@25MHz	45@100MHz	600	0.91	500
SWI1008CT-R33J	330@25MHz	45@100MHz	570	1.05	450
SWI1008CT-R39J	390@25MHz	45@100MHz	500	1.12	470
SWI1008CT-R47J	470@25MHz	45@100MHz	450	1.19	470
SWI1008CT-R56J	560@25MHz	45@100MHz	415	1.33	400
SWI1008CT-R62J	620@25MHz	45@100MHz	375	1.40	300
SWI1008CT-R68J	680@25MHz	45@100MHz	375	1.47	400
SWI1008CT-R75J	750@25MHz	45@100MHz	360	1.54	360
SWI1008CT-R82J	820@25MHz	45@100MHz	350	1.61	400
SWI1008CT-R91J	910@25MHz	35@50MHz	320	1.68	380
SWI1008CT-1R0J	1000@25MHz	35@50MHz	290	1.75	370
SWI1008CT-1R2J	1200@7.9MHz	35@50MHz	250	2.00	310
SWI1008CT-1R5J	1500@7.9MHz	28@50MHz	200	2.30	330
SWI1008CT-1R8J	1800@7.9MHz	28@50MHz	160	2.60	300

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Part Number	L(nH)	Q min	SRF(MHz) TYP.	DCR(Max)	IDC(mA) (Max)
SWI1008CT-2R2J	2200@7.9MHz	28@50MHz	160	2.80	280
SWI1008CT-2R7J	2700@7.9MHz	22@25MHz	140	3.20	290
SWI1210CT-4N7J	4.7@100MHz	50@1000MHz	6000	0.06	1000
SWI1210CT-5N6J	5.6@100MHz	50@1000MHz	5500	0.08	1000
SWI1210CT-10NJ	10@100MHz	60@500MHz	4000	0.06	1000
SWI1210CT-12NJ	12@100MHz	60@500MHz	3400	0.06	1000
SWI1210CT-15NJ	15@100MHz	60@500MHz	3200	0.06	1000
SWI1210CT-18NJ	18@100MHz	60@300MHz	2800	0.06	1000
SWI1210CT-22NJ	22@100MHz	60@300MHz	2300	0.08	1000
SWI1210CT-27NJ	27@100MHz	60@300MHz	2000	0.08	1000
SWI1210CT-33NJ	33@100MHz	60@300MHz	1800	0.08	1000
SWI1210CT-39NJ	39@100MHz	60@300MHz	1800	0.08	1000
SWI1210CT-47NJ	47@100MHz	60@300MHz	1600	0.08	1000
SWI1210CT-56NJ	56@100MHz	60@300MHz	1500	0.10	1000
SWI1210CT-68NJ	68@100MHz	60@300MHz	1300	0.10	1000
SWI1210CT-82NJ	82@100MHz	60@300MHz	1200	0.10	1000
SWI1210CT-R10J	100@100MHz	60@300MHz	1100	0.10	1000
SWI1210CT-R12J	120@50MHz	60@300MHz	900	0.12	800
SWI1210CT-R15J	150@50MHz	60@300MHz	800	0.18	800
SWI1210CT-R18J	180@50MHz	60@300MHz	760	0.21	800
SWI1210CT-R22J	220@50MHz	60@300MHz	660	0.27	800
SWI1210CT-R27J	270@50MHz	50@300MHz	600	0.33	700
SWI1210CT-R33J	330@50MHz	50@100MHz	550	0.37	650
SWI1210CT-R39J	390@50MHz	50@100MHz	500	0.63	600
SWI1210CT-R47J	470@50MHz	50@100MHz	450	0.69	550
SWI1210CT-R56J	560@50MHz	50@100MHz	400	0.90	450
SWI1210CT-R68J	680@25MHz	50@100MHz	380	1.05	400
SWI1210CT-R82J	820@25MHz	50@100MHz	350	1.45	350
SWI1210CT-1R0J	1000@25MHz	45@100MHz	300	1.90	280
SWI1210CT-1R2J	1200@7.96MHz	45@50MHz	300	2.20	250
SWI1210CT-1R5J	1500@7.96MHz	45@50MHz	250	2.43	220
SWI1210CT-1R8J	1800@7.96MHz	45@50MHz	200	3.36	180
SWI1210CT-2R2J	2200@7.96MHz	40@50MHz	200	3.50	150