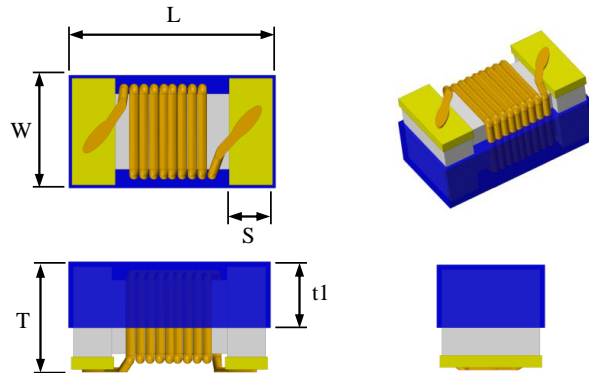


CONFIGURATION & DIMENSIONS



Size	Length (L) mm	Width (W) mm	Thickness (T) mm	Terminal (S) mm	L1 mm	W1 mm	t1 mm
SWI0603 (1608)	1.60 ± 0.20	1.05 ± 0.20	1.05 ± 0.20	0.35 ± 0.10	0.80 ref.	0.95 ref.	0.50 ref.

DESCRIPTION

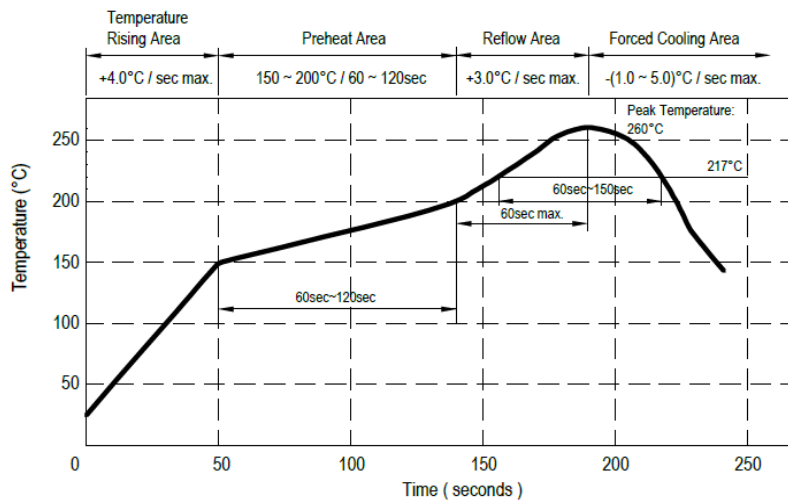
- Wire wound type inductor.
- Ceramic core with gold plating terminals.
- Comply with RoHS requirement.
- Product weight: 0.0049g ref.

FEATURES

- Operating temperature -40 to +125°C.
- Excellent solderability and resistance to soldering heat.
- Suitable for reflow soldering.
- High reliability and easy surface mount assembly.
- Wide range of inductance are available for flexible needs.

REFLOW TEMPERATURE PROFILE

Recommended IR reflow:
 Peak temperature: 260°C max.
 Max. peak temperature -5°C: 30 sec. max.
 Max. time above 217°C: 60~150 sec. max.



SWI0603CT Series

ELECTRICAL CHARACTERISTICS

Part No.	Inductance ¹ (nH)	Tolerance	Q ²		S.R.F. ³ Min. (MHz)	RDC ⁴ Max. (Ω)	IDC ⁵ Max. (mA)
			Min.	Typical @900MHz			
SWI0603CT1N6□-□□	1.6 @ 250MHz	B, S	24	40	12500	0.030	700
SWI0603CT1N8□-□□	1.8 @ 250MHz	B, S	16	35	12500	0.045	700
SWI0603CT2N0□-□□	2.0 @ 250MHz	B, S	16	31	6900	0.080	700
SWI0603CT3N9□-□□	3.9 @ 250MHz	B, S	22	51	6900	0.080	700
SWI0603CT4N3□-□□	4.3 @ 250MHz	B, S	22	45	5900	0.080	700
SWI0603CT4N7□-□□	4.7 @ 250MHz	B, S	20	47	5800	0.130	700
SWI0603CT5N1□-□□	5.1 @ 250MHz	K, J	20	47	5700	0.140	700
SWI0603CT5N6□-□□	5.6 @ 250MHz	K, J	16	40	5500	0.150	700
SWI0603CT6N8□-□□	6.8 @ 250MHz	K, J, B	30	63	5800	0.110	700
SWI0603CT7N5□-□□	7.5 @ 250MHz	K, J, B	28	64	4800	0.106	700
SWI0603CT8N2□-□□	8.2 @ 250MHz	K, J, B	30	72	4600	0.100	700
SWI0603CT8N7□-□□	8.7 @ 250MHz	K, J	28	66	4600	0.109	700
SWI0603CT9N1□-□□	9.1 @ 250MHz	K, J	28	60	4000	0.135	700
SWI0603CT9N5□-□□	9.5 @ 250MHz	K, J	28	62	4500	0.135	700
SWI0603CT10N□-□□	10 @ 250MHz	K, J, G	30	66	3800	0.130	700
SWI0603CT11N□-□□	11 @ 250MHz	K, J	33	68	4000	0.090	700
SWI0603CT12N□-□□	12 @ 250MHz	K, J, G	35	72	4000	0.130	700
SWI0603CT13N□-□□	13 @ 250MHz	K, J	38	75	4000	0.106	700
SWI0603CT15N□-□□	15 @ 250MHz	K, J, G	35	68	4000	0.170	700
SWI0603CT16N□-□□	16 @ 250MHz	K, J	34	66	3300	0.170	700
SWI0603CT18N□-□□	18 @ 250MHz	K, J, G	38	77	3100	0.170	700
SWI0603CT20N□-□□	20 @ 250MHz	K, J	38	72	3000	0.220	700
SWI0603CT22N□-□□	22 @ 250MHz	K, J, G	38	70	3000	0.220	700
SWI0603CT24N□-□□	24 @ 250MHz	K, J	37	75	2650	0.135	700
SWI0603CT27N□-□□	27 @ 250MHz	K, J, G	40	75	2800	0.220	600
SWI0603CT30N□-□□	30 @ 250MHz	K, J	45	57	2300	0.220	600
SWI0603CT33N□-□□	33 @ 250MHz	K, J, G	43	78	2300	0.220	600
SWI0603CT36N□-□□	36 @ 250MHz	K, J	43	70	2200	0.250	600
SWI0603CT39N□-□□	39 @ 250MHz	K, J, G	43	66	2200	0.250	600
SWI0603CT43N□-□□	43 @ 250MHz	K, J, G	38	62	2000	0.280	600
SWI0603CT47N□-□□	47 @ 200MHz	K, J, G	40	65	2000	0.280	600
SWI0603CT51N□-□□	51 @ 200MHz	K, J	40	66	1900	0.310	600
SWI0603CT56N□-□□	56 @ 200MHz	K, J, G	40	66	1900	0.310	600
SWI0603CT62N□-□□	62 @ 200MHz	K, J	40	60	1700	0.340	600
SWI0603CT68N□-□□	68 @ 200MHz	K, J, G	40	57	1700	0.340	600
SWI0603CT72N□-□□	72 @ 150MHz	K, J, G	35	60	1700	0.490	400
SWI0603CT82N□-□□	82 @ 150MHz	K, J, G	35	58	1700	0.540	400
SWI0603CT90N□-□□	90 @ 150MHz	K, J	35	52	1700	0.540	400
SWI0603CTR10□-□□	100 @ 150MHz	K, J, G	35	51	1400	0.630	400
SWI0603CTR11□-□□	110 @ 150MHz	K, J, G	35	22	1400	0.630	400
SWI0603CTR12□-□□	120 @ 150MHz	K, J, G	35	45	1300	0.650	300
SWI0603CTR13□-□□	130 @ 150MHz	K, J	35	40	1000	0.920	280
SWI0603CTR15□-□□	150 @ 150MHz	K, J, G	35	33	1000	0.920	280
SWI0603CTR18□-□□	180 @ 100MHz	K, J, G	30	26	1000	1.250	240
SWI0603CTR20□-□□	200 @ 100MHz	K, J	30	23	1000	1.250	240
SWI0603CTR21□-□□	210 @ 100MHz	K, J	27	23	1000	1.700	200
SWI0603CTR22□-□□	220 @ 100MHz	K, J, G	30	23	1000	1.700	200
SWI0603CTR24□-□□	240 @ 100MHz	K, J	30	15	1000	1.700	200
SWI0603CTR27□-□□	270 @ 100MHz	K, J, G	30	10	1000	1.800	170
SWI0603CTR33□-□□	330 @ 100MHz	K, J	25	-	450	2.000	150
SWI0603CTR39□-□□	390 @ 100MHz	K, J	20	-	350	2.000	170

1. Inductance is measured in HP-4287A RF LCR meter with HP-16193 fixture or equivalent.
2. Q is measured in HP-4287A RF LCR meter with HP-16193 fixture or equivalent.
3. SRF is measured in ENA E5071B network analyzer or equivalent.
4. RDC is measured in HP-4338B milliohm meter or equivalent.
5. For 15°C rise.