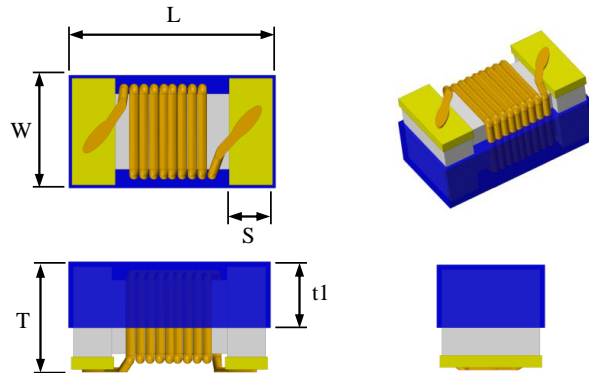


**CONFIGURATION & DIMENSIONS**



Size	Length (L) mm	Width (W) mm	Thickness (T) mm	Terminal (S) mm	L1 mm	W1 mm	t1 mm
SWI0402 (1005)	1.00 ± 0.10	0.55 ± 0.10	0.50 ± 0.10	0.20 ± 0.10	0.60 ref.	0.48 ref.	0.20 ref.

**DESCRIPTION**

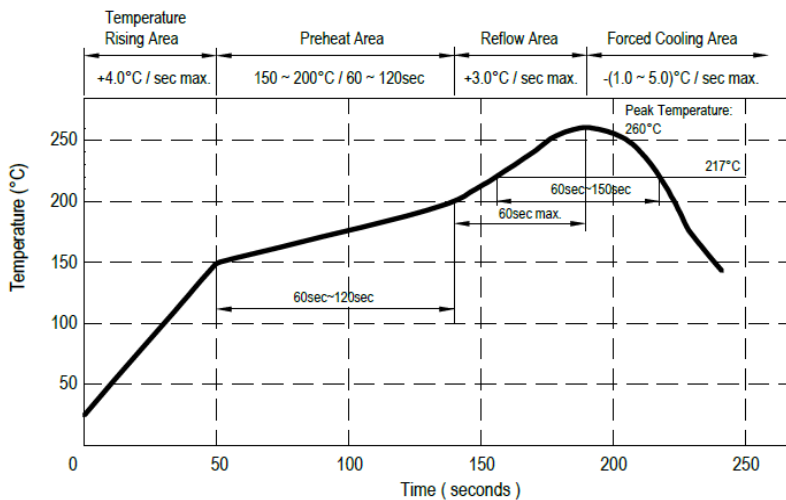
- Wire wound type inductor.
- Ceramic core with gold plating terminals.
- Comply with RoHS requirement.
- Product weight: 0.0008g ref.

**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.



SWI0402CT Series

ELECTRICAL CHARACTERISTICS

Part No.	Inductance <sup>1</sup> (nH)	Tolerance	Q <sup>2</sup>		S.R.F. <sup>3</sup> Min. (MHz)	RDC <sup>4</sup> Max. (Ω)	IDC <sup>5</sup> Max. (mA)
			Min.	Typical @900MHz			
SWI0402CT1N0□-□□	1.0 @ 250MHz	B, S	13	26	6000	0.045	1360
SWI0402CT1N2□-□□	1.2 @ 250MHz	B, S	13	23	6000	0.060	1360
SWI0402CT1N5□-□□	1.5 @ 250MHz	B, S	16	29	6000	0.070	1040
SWI0402CT1N8□-□□	1.8 @ 250MHz	B, S	16	29	6000	0.070	1040
SWI0402CT1N9□-□□	1.9 @ 250MHz	B, S	16	29	6000	0.070	1040
SWI0402CT2N0□-□□	2.0 @ 250MHz	B, S, J	16	30	6000	0.070	1040
SWI0402CT2N2□-□□	2.2 @ 250MHz	B, S	18	32	6000	0.070	960
SWI0402CT2N4□-□□	2.4 @ 250MHz	B, S	16	35	6000	0.068	790
SWI0402CT2N7□-□□	2.7 @ 250MHz	B, S	16	31	6000	0.120	860
SWI0402CT3N3□-□□	3.3 @ 250MHz	K, J, B	20	41	6000	0.066	840
SWI0402CT3N6□-□□	3.6 @ 250MHz	K, J, B	20	43	6000	0.066	840
SWI0402CT3N9□-□□	3.9 @ 250MHz	K, J, B	20	41	5800	0.066	840
SWI0402CT4N3□-□□	4.3 @ 250MHz	K, J, B	18	45	6000	0.091	700
SWI0402CT4N7□-□□	4.7 @ 250MHz	K, J, B	15	45	4775	0.130	640
SWI0402CT5N1□-□□	5.1 @ 250MHz	K, J, B	23	49	5800	0.083	800
SWI0402CT5N6□-□□	5.6 @ 250MHz	K, J, B	23	46	5800	0.083	760
SWI0402CT6N2□-□□	6.2 @ 250MHz	K, J, B	23	49	5800	0.083	760
SWI0402CT6N8□-□□	6.8 @ 250MHz	K, J, B	20	50	4800	0.083	680
SWI0402CT7N5□-□□	7.5 @ 250MHz	K, J, B	25	50	5800	0.104	680
SWI0402CT8N2□-□□	8.2 @ 250MHz	K, J, B	25	49	4400	0.104	680
SWI0402CT8N7□-□□	8.7 @ 250MHz	K, J, B	18	50	4100	0.200	480
SWI0402CT9N0□-□□	9.0 @ 250MHz	K, J, B	25	49	4160	0.104	680
SWI0402CT9N5□-□□	9.5 @ 250MHz	K, J, B	18	45	4000	0.200	680
SWI0402CT10N□-□□	10 @ 250MHz	K, J, G	23	47	3900	0.195	480
SWI0402CT11N□-□□	11 @ 250MHz	K, J, G	26	56	3680	0.120	640
SWI0402CT12N□-□□	12 @ 250MHz	K, J, G	26	51	3600	0.120	640
SWI0402CT13N□-□□	13 @ 250MHz	K, J, G	24	54	3450	0.210	560
SWI0402CT15N□-□□	15 @ 250MHz	K, J, G	26	54	3280	0.172	560
SWI0402CT16N□-□□	16 @ 250MHz	K, J, G	24	54	3100	0.220	560
SWI0402CT18N□-□□	18 @ 250MHz	K, J, G	25	52	3100	0.230	520
SWI0402CT19N□-□□	19 @ 250MHz	K, J, G	26	50	3040	0.202	480
SWI0402CT20N□-□□	20 @ 250MHz	K, J, G	25	51	3000	0.250	420
SWI0402CT22N□-□□	22 @ 250MHz	K, J, G	25	52	2800	0.300	400
SWI0402CT23N□-□□	23 @ 250MHz	K, J, G	26	53	2720	0.214	400
SWI0402CT24N□-□□	24 @ 250MHz	K, J, G	25	51	2700	0.300	400
SWI0402CT27N□-□□	27 @ 250MHz	K, J, G	26	48	2480	0.298	400
SWI0402CT30N□-□□	30 @ 250MHz	K, J, G	25	46	2350	0.300	400
SWI0402CT33N□-□□	33 @ 250MHz	K, J, G	24	48	2350	0.350	400
SWI0402CT36N□-□□	36 @ 250MHz	K, J, G	26	48	2320	0.403	320
SWI0402CT39N□-□□	39 @ 250MHz	K, J, G	25	45	2100	0.550	320
SWI0402CT40N□-□□	40 @ 250MHz	K, J, G	26	48	2240	0.438	320
SWI0402CT43N□-□□	43 @ 250MHz	K, J, G	25	46	2030	0.810	240
SWI0402CT47N□-□□	47 @ 200MHz	K, J, G	26	46	2100	0.830	210
SWI0402CT51N□-□□	51 @ 200MHz	K, J	25	40	1750	0.820	210
SWI0402CT56N□-□□	56 @ 200MHz	K, J	22	42	1760	0.970	200
SWI0402CT68N□-□□	68 @ 200MHz	K, J	22	36	1620	1.120	180
SWI0402CT75N□-□□	75 @ 150MHz	K, J	20	33	1550	1.200	160
SWI0402CT82N□-□□	82 @ 150MHz	K, J	20	33	1500	1.250	150
SWI0402CT91N□-□□	91 @ 150MHz	K, J	20	30	1350	2.300	120
SWI0402CTR10□-□□	100 @ 150MHz	K, J	20	30	1300	2.520	120
SWI0402CTR12□-□□	120 @ 150MHz	K, J	20	29	1100	2.660	110

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.