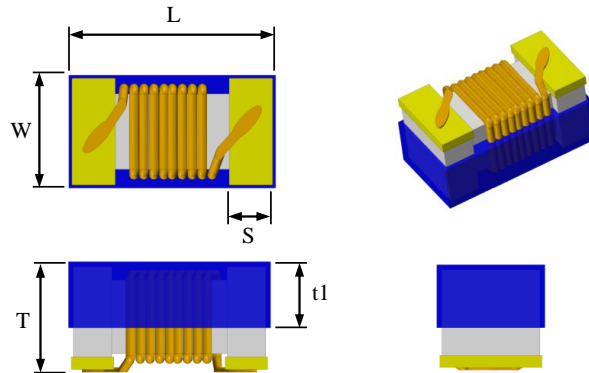


**CONFIGURATION & DIMENSIONS**



Size	Length (L) mm	Width (W) mm	Thickness (T) mm	Terminal (S) mm	L1 mm	W1 mm	t1 mm
SWI1008 (2520)	2.60 ± 0.20	2.10 ± 0.20	1.70 ± 0.20	0.50 ± 0.10	1.40 ref.	1.90 ref.	0.70 ref.

**DESCRIPTION**

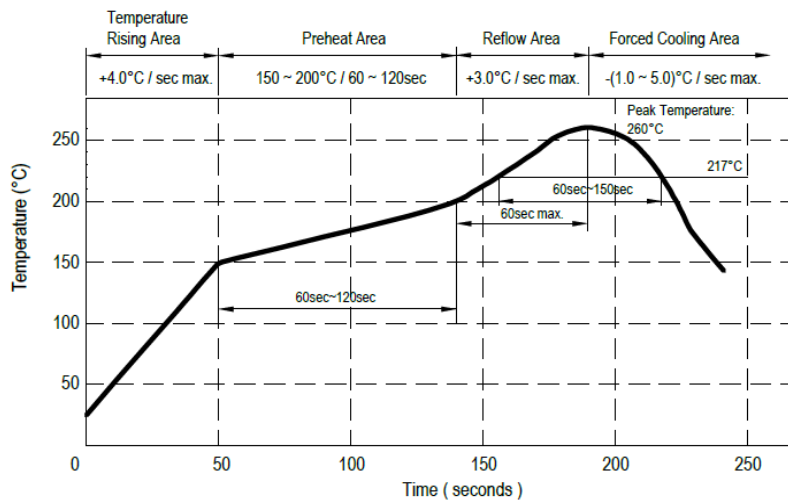
- Wire wound type inductor.
- Ceramic core with gold plating terminals.
- Comply with RoHS requirement.
- Product weight: 0.025g ref.

**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.



## SWI1008CT Series

## ELECTRICAL CHARACTERISTICS

Part No.	Inductance <sup>1</sup> (nH)	Tolerance	Q <sup>2</sup> Min.	S.R.F. <sup>3</sup> Min. (MHz)	RDC <sup>4</sup> Max. ( $\Omega$ )	IDC <sup>5</sup> Max. (mA)	Marking
SWI1008CT3N3□-□□	3.3 @ 100MHz	B, S	50 @ 1000MHz	6000	0.060	1000	3N3
SWI1008CT6N8□-□□	6.8 @ 100MHz	B, S	50 @ 1000MHz	5500	0.060	1000	6N8
SWI1008CT8N2□-□□	8.2 @ 100MHz	B, S	50 @ 1000MHz	5500	0.060	1000	8N2
SWI1008CT10N□-□□	10 @ 100MHz	B, S	50 @ 1000MHz	4300	0.080	1000	10N
SWI1008CT12N□-□□	12 @ 100MHz	B, S	60 @ 500MHz	3600	0.080	1000	12N
SWI1008CT15N□-□□	15 @ 100MHz	K, J, B	60 @ 500MHz	2700	0.080	1000	15N
SWI1008CT18N□-□□	18 @ 100MHz	K, J, B	60 @ 350MHz	2700	0.100	1000	18N
SWI1008CT22N□-□□	22 @ 100MHz	K, J, B	60 @ 350MHz	2500	0.100	1000	22N
SWI1008CT27N□-□□	27 @ 100MHz	K, J, B	60 @ 350MHz	1800	0.100	1000	27N
SWI1008CT33N□-□□	33 @ 100MHz	K, J, G	60 @ 350MHz	1700	0.100	1000	33N
SWI1008CT39N□-□□	39 @ 100MHz	K, J, G	60 @ 350MHz	1500	0.100	1000	39N
SWI1008CT47N□-□□	47 @ 100MHz	K, J, G	60 @ 350MHz	1500	0.100	1000	47N
SWI1008CT56N□-□□	56 @ 100MHz	K, J, G	60 @ 350MHz	1350	0.120	1000	56N
SWI1008CT68N□-□□	68 @ 100MHz	K, J, G	60 @ 350MHz	1300	0.150	1000	68N
SWI1008CT82N□-□□	82 @ 100MHz	K, J, G	60 @ 350MHz	1100	0.180	1000	82N
SWI1008CTR10□-□□	100 @ 100MHz	K, J, G	60 @ 350MHz	1100	0.180	1000	R10
SWI1008CTR12□-□□	120 @ 25.2MHz	K, J, G	40 @ 100MHz	950	0.200	800	R12
SWI1008CTR15□-□□	150 @ 25.2MHz	K, J, G	45 @ 100MHz	880	0.220	800	R15
SWI1008CTR18□-□□	180 @ 25.2MHz	K, J, G	45 @ 100MHz	800	0.330	800	R18
SWI1008CTR22□-□□	220 @ 25.2MHz	K, J, G	45 @ 100MHz	730	0.450	800	R22
SWI1008CTR27□-□□	270 @ 25.2MHz	K, J, G	45 @ 100MHz	650	0.750	600	R27
SWI1008CTR29□-□□	290 @ 25.2MHz	K, J, G	45 @ 100MHz	600	0.600	600	-
SWI1008CTR33□-□□	330 @ 25.2MHz	K, J, G	45 @ 100MHz	570	0.900	500	R33
SWI1008CTR39□-□□	390 @ 25.2MHz	K, J, G	45 @ 100MHz	530	1.060	470	R39
SWI1008CTR47□-□□	470 @ 25.2MHz	K, J, G	45 @ 100MHz	480	1.170	420	R47
SWI1008CTR56□-□□	560 @ 25.2MHz	K, J, G	45 @ 100MHz	430	1.500	310	R56
SWI1008CTR68□-□□	680 @ 25.2MHz	K, J, G	45 @ 100MHz	380	2.060	230	R68
SWI1008CTR75□-□□	750 @ 25.2MHz	K, J, G	45 @ 100MHz	360	2.200	200	R75
SWI1008CTR82□-□□	820 @ 25.2MHz	K, J, G	45 @ 100MHz	350	2.300	180	R82
SWI1008CTR91□-□□	910 @ 25.2MHz	K, J, G	45 @ 100MHz	330	3.180	150	R91
SWI1008CTR1R0□-□□	1000 @ 25.2MHz	K, J, G	35 @ 50MHz	310	3.300	120	1R0

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.