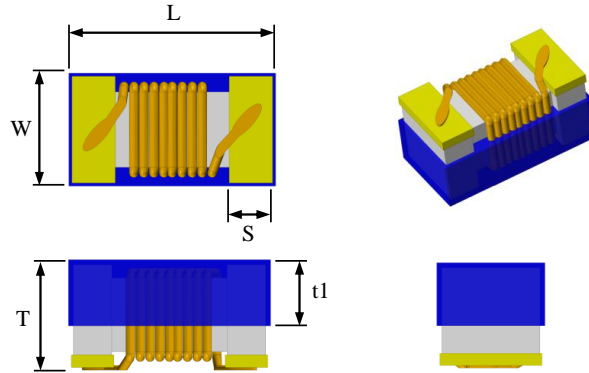


CONFIGURATION & DIMENSIONS



Size	Length (L) mm	Width (W) mm	Thickness (T) mm	Terminal (S) mm	L1 mm	W1 mm	t1 mm
SWI1210 (3225)	3.20 ± 0.20	2.60 ± 0.20	2.10 ± 0.20	0.50 ± 0.10	2.05 ref.	2.10 ref.	1.10 ref.

DESCRIPTION

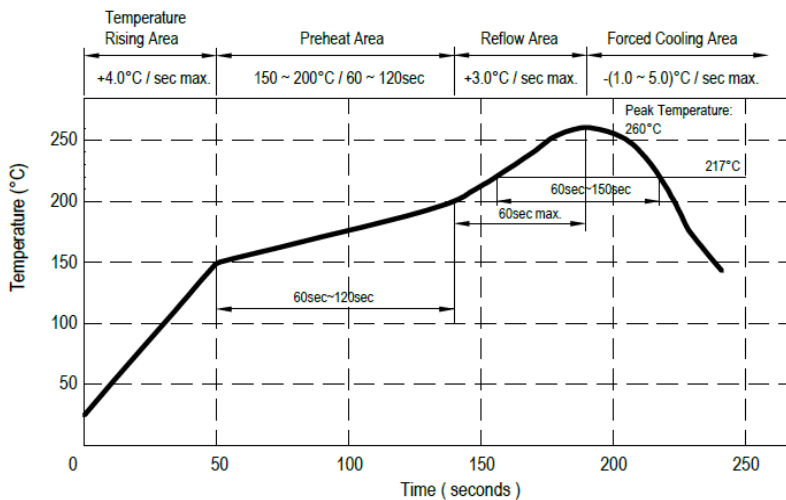
- Wire wound type inductor.
- Ceramic core with gold plating terminals.
- Comply with RoHS requirement.
- Product weight: 0.045g ref.

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.



SWI1210CT Series

ELECTRICAL CHARACTERISTICS

Part No.	Inductance ¹ (nH)	Tolerance	Q ² Min.	S.R.F. ³ Min. (MHz)	RDC ⁴ Max. (Ω)	IDC ⁵ Max. (mA)	Marking
SWI1210CT4N7□-□□	4.7 @ 100MHz	B, S	50 @ 1000MHz	6000	0.060	1000	4N7
SWI1210CT5N6□-□□	5.6 @ 100MHz	K, J, B	50 @ 1000MHz	5500	0.080	1000	5N6
SWI1210CT10N□-□□	10 @ 100MHz	K, J, G	60 @ 500MHz	4000	0.060	1000	10N
SWI1210CT12N□-□□	12 @ 100MHz	K, J, G	60 @ 500MHz	3400	0.060	1000	12N
SWI1210CT15N□-□□	15 @ 100MHz	K, J, G	60 @ 500MHz	3200	0.060	1000	15N
SWI1210CT18N□-□□	18 @ 100MHz	K, J, G	60 @ 300MHz	2800	0.060	1000	18N
SWI1210CT22N□-□□	22 @ 100MHz	K, J, G	60 @ 300MHz	2100	0.080	1000	22N
SWI1210CT27N□-□□	27 @ 100MHz	K, J, G	60 @ 300MHz	1900	0.080	1000	27N
SWI1210CT33N□-□□	33 @ 100MHz	K, J, G	60 @ 300MHz	1700	0.080	1000	33N
SWI1210CT39N□-□□	39 @ 100MHz	K, J, G	60 @ 300MHz	1700	0.080	1000	39N
SWI1210CT47N□-□□	47 @ 100MHz	K, J, G	60 @ 300MHz	1400	0.080	1000	47N
SWI1210CT56N□-□□	56 @ 100MHz	K, J, G	60 @ 300MHz	1100	0.100	1000	56N
SWI1210CT68N□-□□	68 @ 100MHz	K, J, G	60 @ 300MHz	1000	0.100	1000	68N
SWI1210CT82N□-□□	82 @ 100MHz	K, J, G	60 @ 300MHz	1000	0.100	1000	82N
SWI1210CTR10□-□□	100 @ 100MHz	K, J, G	60 @ 300MHz	900	0.100	1000	R10
SWI1210CTR12□-□□	120 @ 50MHz	K, J, G	60 @ 300MHz	900	0.120	800	R12
SWI1210CTR15□-□□	150 @ 50MHz	K, J, G	60 @ 300MHz	800	0.180	800	R15
SWI1210CTR18□-□□	180 @ 50MHz	K, J, G	60 @ 300MHz	760	0.210	800	R18
SWI1210CTR22□-□□	220 @ 50MHz	K, J, G	60 @ 300MHz	660	0.270	800	R22
SWI1210CTR27□-□□	270 @ 50MHz	K, J, G	50 @ 300MHz	600	0.330	700	R27
SWI1210CTR33□-□□	330 @ 50MHz	K, J, G	50 @ 100MHz	550	0.370	650	R33
SWI1210CTR39□-□□	390 @ 50MHz	K, J, G	50 @ 100MHz	500	0.630	600	R39
SWI1210CTR47□-□□	470 @ 50MHz	K, J, G	50 @ 100MHz	450	0.690	550	R47
SWI1210CTR56□-□□	560 @ 50MHz	K, J, G	50 @ 100MHz	400	0.900	450	R56
SWI1210CTR68□-□□	680 @ 25MHz	K, J, G	50 @ 100MHz	380	1.050	400	R68
SWI1210CTR82□-□□	820 @ 25MHz	K, J, G	50 @ 100MHz	350	1.450	350	R82
SWI1210CT1R0□-□□	1000 @ 25MHz	K, J, G	45 @ 100MHz	300	1.900	280	1R0
SWI1210CT1R2□-□□	1200 @ 7.96MHz	K, J	45 @ 50MHz	300	2.200	250	1R2
SWI1210CT1R5□-□□	1500 @ 7.96MHz	K, J	45 @ 50MHz	250	2.430	220	1R5
SWI1210CT1R8□-□□	1800 @ 7.96MHz	K, J	45 @ 50MHz	200	3.360	180	1R8
SWI1210CT2R2□-□□	2200 @ 7.96MHz	K, J	40 @ 50MHz	200	3.500	150	2R2

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.