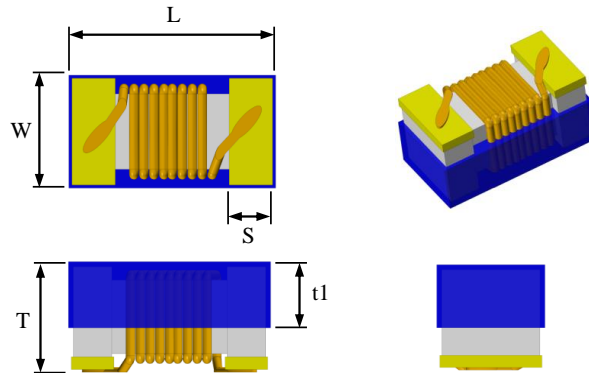


SWI0805CT Series

CONFIGURATION & DIMENSIONS



Size	Length (L) mm	Width (W) mm	Thickness (T) mm	Terminal (S) mm	L1 mm	W1 mm	t1 mm
SWI0805 (2012)	2.00 ± 0.20	1.25 ± 0.20	1.20 ± 0.20	0.40 ± 0.10	1.10 ref.	1.15 ref.	0.60 ref.

DESCRIPTION

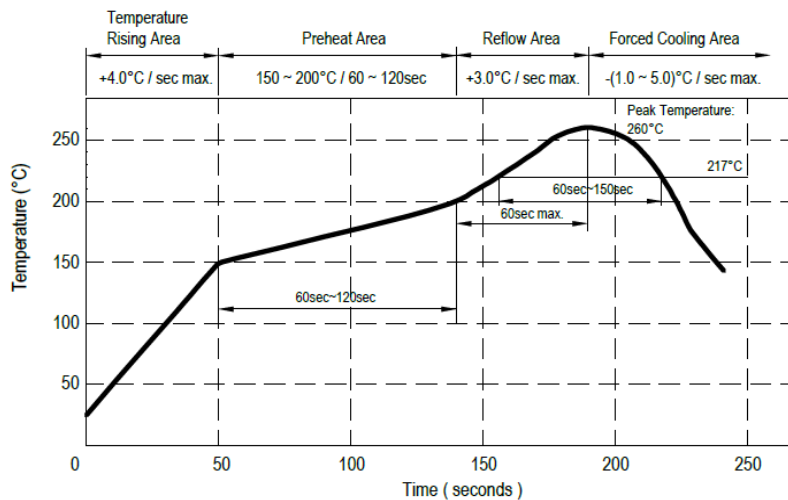
- Wire wound type inductor.
- Ceramic core with gold plating terminals.
- Comply with RoHS requirement.
- Product weight: 0.0084g ref.

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.



SWI0805CT 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
SWI0805CT2N2□-□□	2.2 @ 250MHz	B, S	50 @ 1000MHz	6000	0.060	800	2N2
SWI0805CT2N7□-□□	2.7 @ 250MHz	B, S	35 @ 1000MHz	6000	0.080	800	2N7
SWI0805CT3N3□-□□	3.3 @ 250MHz	B, S	60 @ 1000MHz	6000	0.080	800	3N3
SWI0805CT3N9□-□□	3.9 @ 250MHz	B, S	60 @ 1000MHz	6000	0.060	600	3N9
SWI0805CT4N7□-□□	4.7 @ 250MHz	B, S	60 @ 1000MHz	5800	0.060	600	4N7
SWI0805CT5N1□-□□	5.1 @ 250MHz	K, J, B	60 @ 1000MHz	5800	0.080	600	5N1
SWI0805CT5N6□-□□	5.6 @ 250MHz	K, J, B	60 @ 1000MHz	5800	0.080	600	5N6
SWI0805CT6N8□-□□	6.8 @ 250MHz	K, J, B	60 @ 1000MHz	5500	0.060	600	6N8
SWI0805CT8N2□-□□	8.2 @ 250MHz	K, J, B	60 @ 1000MHz	5500	0.060	600	8N2
SWI0805CT10N□-□□	10 @ 250MHz	K, J, G	60 @ 500MHz	4800	0.080	600	10N
SWI0805CT12N□-□□	12 @ 250MHz	K, J, G	60 @ 500MHz	4100	0.080	600	12N
SWI0805CT15N□-□□	15 @ 250MHz	K, J, G	60 @ 500MHz	3600	0.080	600	15N
SWI0805CT18N□-□□	18 @ 250MHz	K, J, G	60 @ 500MHz	3400	0.080	600	18N
SWI0805CT22N□-□□	22 @ 250MHz	K, J, G	60 @ 500MHz	3300	0.100	600	22N
SWI0805CT27N□-□□	27 @ 250MHz	K, J, G	60 @ 500MHz	2600	0.120	600	27N
SWI0805CT33N□-□□	33 @ 250MHz	K, J, G	60 @ 500MHz	2400	0.150	500	33N
SWI0805CT39N□-□□	39 @ 250MHz	K, J, G	60 @ 500MHz	2100	0.180	500	39N
SWI0805CT47N□-□□	47 @ 200MHz	K, J, G	60 @ 500MHz	1700	0.150	500	47N
SWI0805CT56N□-□□	56 @ 200MHz	K, J, G	60 @ 500MHz	1600	0.250	500	56N
SWI0805CT68N□-□□	68 @ 200MHz	K, J, G	60 @ 500MHz	1450	0.270	500	68N
SWI0805CT82N□-□□	82 @ 150MHz	K, J, G	60 @ 500MHz	1350	0.320	500	82N
SWI0805CTR10□-□□	100 @ 150MHz	K, J, G	60 @ 500MHz	1200	0.430	500	R10
SWI0805CTR11□-□□	110 @ 150MHz	K, J, G	50 @ 250MHz	1100	0.480	500	R11
SWI0805CTR12□-□□	120 @ 150MHz	K, J, G	50 @ 250MHz	1100	0.480	500	R12
SWI0805CTR13□-□□	130 @ 100MHz	K, J, G	50 @ 250MHz	950	0.610	400	R13
SWI0805CTR15□-□□	150 @ 100MHz	K, J, G	50 @ 250MHz	950	0.560	400	R15
SWI0805CTR18□-□□	180 @ 100MHz	K, J, G	50 @ 250MHz	900	0.780	400	R18
SWI0805CTR22□-□□	220 @ 100MHz	K, J, G	50 @ 250MHz	860	1.000	400	R22
SWI0805CTR24□-□□	240 @ 100MHz	K, J, G	45 @ 250MHz	850	1.460	350	R24
SWI0805CTR27□-□□	270 @ 100MHz	K, J, G	45 @ 250MHz	850	1.460	350	R27
SWI0805CTR30□-□□	300 @ 100MHz	K, J, G	45 @ 250MHz	800	1.650	300	R30
SWI0805CTR33□-□□	330 @ 100MHz	K, J, G	45 @ 250MHz	800	1.650	300	R33
SWI0805CTR39□-□□	390 @ 100MHz	K, J, G	45 @ 250MHz	780	2.200	210	R39

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.