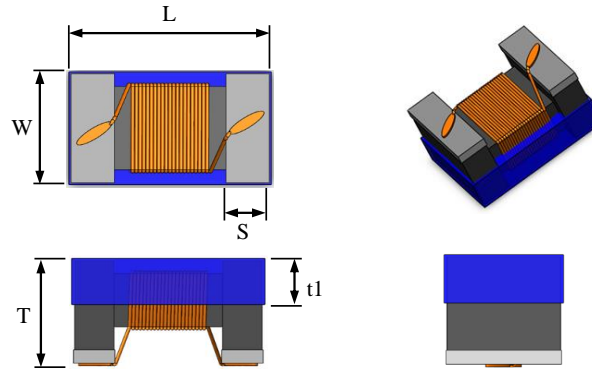


**CONFIGURATION & DIMENSIONS**



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	2.10 ref.	2.40 ref.	1.10 ref.

**DESCRIPTION**

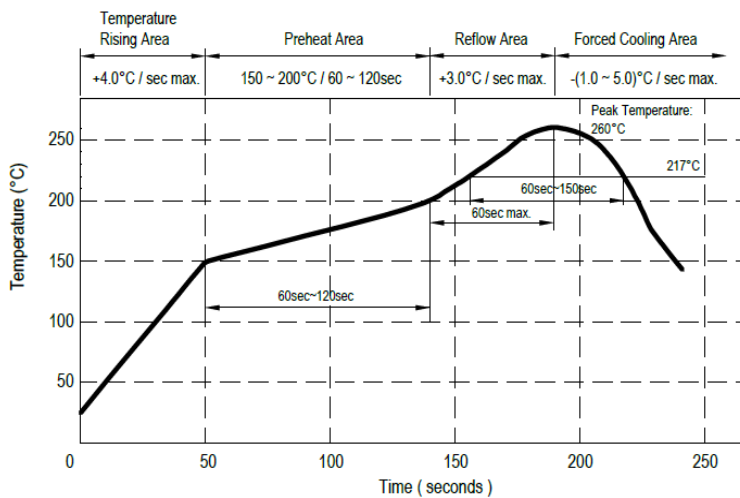
- Wire wound type inductor.
- Ferrite core with tin plating terminals.
- Comply with RoHS requirement.
- Product weight: 0.045g ref.

**FEATURES**

- Operating temperature -40 to +85°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.



## 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. (Ω)	IDC <sup>5</sup> Max. (mA)	Marking
SWI1210FT1R2□-□□	1.2 @ 7.96MHz	K, J	30 @ 7.96MHz	100	0.70	390	1R2
SWI1210FT1R5□-□□	1.5 @ 7.96MHz	K, J	30 @ 7.96MHz	85	0.75	370	1R5
SWI1210FT1R8□-□□	1.8 @ 7.96MHz	K, J	30 @ 7.96MHz	80	0.80	350	1R8
SWI1210FT2R2□-□□	2.2 @ 7.96MHz	K, J	30 @ 7.96MHz	75	0.90	320	2R2
SWI1210FT2R7□-□□	2.7 @ 7.96MHz	K, J	30 @ 7.96MHz	70	1.10	290	2R7
SWI1210FT3R3□-□□	3.3 @ 7.96MHz	K, J	30 @ 7.96MHz	60	1.40	260	3R3
SWI1210FT3R9□-□□	3.9 @ 7.96MHz	K, J	30 @ 7.96MHz	55	1.70	250	3R9
SWI1210FT4R7□-□□	4.7 @ 7.96MHz	K, J	30 @ 7.96MHz	50	2.30	220	4R7
SWI1210FT5R6□-□□	5.6 @ 7.96MHz	K, J	20 @ 7.96MHz	47	1.60	200	5R6
SWI1210FT6R8□-□□	6.8 @ 7.96MHz	K, J	20 @ 7.96MHz	43	2.20	180	6R8
SWI1210FT8R2□-□□	8.2 @ 7.96MHz	K, J	20 @ 7.96MHz	40	2.40	170	8R2
SWI1210FT100□-□□	10 @ 2.52MHz	K, J	15 @ 2.52MHz	36	3.28	150	100
SWI1210FT120□-□□	12 @ 2.52MHz	K, J	15 @ 2.52MHz	33	3.40	140	120
SWI1210FT150□-□□	15 @ 2.52MHz	K, J	15 @ 2.52MHz	30	3.90	125	150
SWI1210FT180□-□□	18 @ 2.52MHz	K, J	15 @ 2.52MHz	27	4.20	110	180
SWI1210FT220□-□□	22 @ 2.52MHz	K, J	15 @ 2.52MHz	25	6.00	90	220
SWI1210FT270□-□□	27 @ 2.52MHz	K, J	15 @ 2.52MHz	20	6.80	80	270
SWI1210FT330□-□□	33 @ 2.52MHz	K, J	15 @ 2.52MHz	17	7.50	70	330
SWI1210FT390□-□□	39 @ 2.52MHz	K, J	15 @ 2.52MHz	16	8.00	65	390
SWI1210FT470□-□□	47 @ 2.52MHz	K, J	15 @ 2.52MHz	15	8.50	60	470

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.