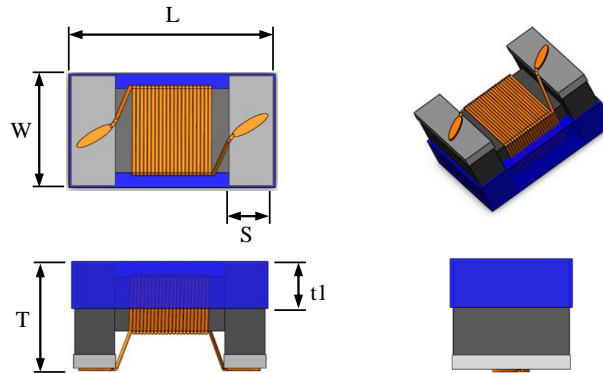


**CONFIGURATION & DIMENSIONS**



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	1.20 ref.	0.95~1.20 ref.	0.60 ref.

**DESCRIPTION**

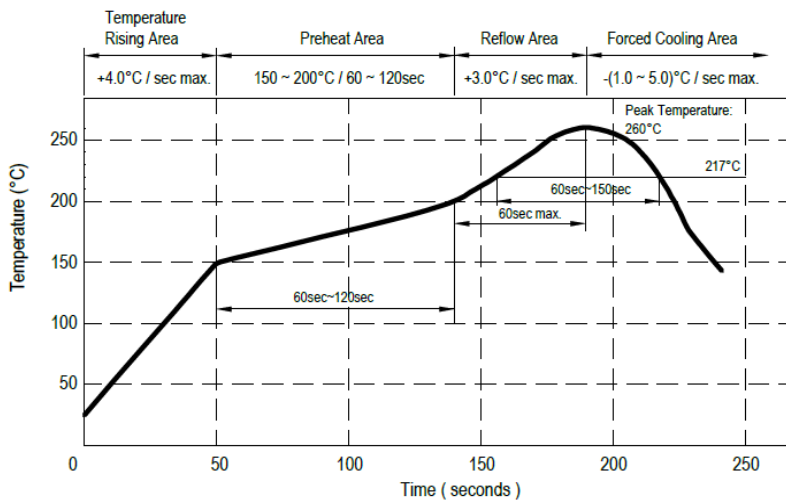
- Wire wound type inductor.
- Ferrite core with tin plating terminals.
- Comply with RoHS requirement.
- Product weight: 0.0084g ref.

**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
SWI0805FTR47□-□□	0.47 @ 25.2MHz	K, J	45 @ 100MHz	375	0.95	500	R47
SWI0805FTR51□-□□	0.51 @ 25.2MHz	K, J	45 @ 100MHz	375	0.95	500	R51
SWI0805FTR56□-□□	0.56 @ 25.2MHz	K, J	45 @ 100MHz	340	1.10	450	R56
SWI0805FTR62□-□□	0.62 @ 25.2MHz	K, J	35 @ 100MHz	188	1.20	400	R62
SWI0805FTR68□-□□	0.68 @ 25.2MHz	K, J	35 @ 100MHz	188	1.20	400	R68
SWI0805FTR82□-□□	0.82 @ 25.2MHz	K, J	35 @ 100MHz	215	1.50	300	R82
SWI0805FT1R0□-□□	1.00 @ 25.2MHz	K, J	35 @ 50 MHz	200	2.13	180	1R0
SWI0805FT1R2□-□□	1.20 @ 7.96MHz	K, J	15 @ 7.96MHz	200	2.60	150	1R2
SWI0805FT1R5□-□□	1.50 @ 7.96MHz	K, J	15 @ 7.96MHz	200	2.90	130	1R5
SWI0805FT1R8□-□□	1.80 @ 7.96MHz	K, J	15 @ 7.96MHz	120	3.00	120	1R8
SWI0805FT2R2□-□□	2.20 @ 7.96MHz	K, J	15 @ 7.96MHz	110	3.10	110	2R2
SWI0805FT2R7□-□□	2.70 @ 7.96MHz	K, J	15 @ 7.96MHz	100	3.50	100	2R7
SWI0805FT3R3□-□□	3.30 @ 7.96MHz	K, J	15 @ 7.96MHz	70	2.30	210	3R3
SWI0805FT3R9□-□□	3.90 @ 7.96MHz	K, J	15 @ 7.96MHz	60	2.50	200	3R9
SWI0805FT4R7□-□□	4.70 @ 7.96MHz	K, J	15 @ 7.96MHz	50	2.80	180	4R7
SWI0805FT5R6□-□□	5.60 @ 7.96MHz	K, J	15 @ 7.96MHz	45	3.00	160	5R6
SWI0805FT6R8□-□□	6.80 @ 7.96MHz	K, J	15 @ 7.96MHz	45	3.20	130	6R8
SWI0805FT8R2□-□□	8.20 @ 7.96MHz	K, J	15 @ 7.96MHz	40	3.50	120	8R2
SWI0805FT100□-□□	10.00 @ 2.52MHz	K, J	15 @ 2.52MHz	40	5.00	80	100

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.