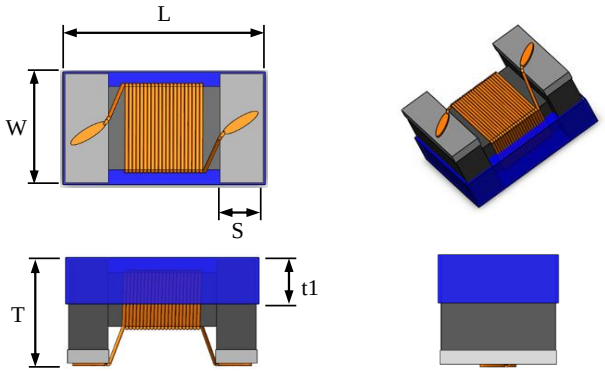
CONFIGURATION & DIMENSIONS



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.	1.60~1.90 ref.	0.70 ref.

DESCRIPTION

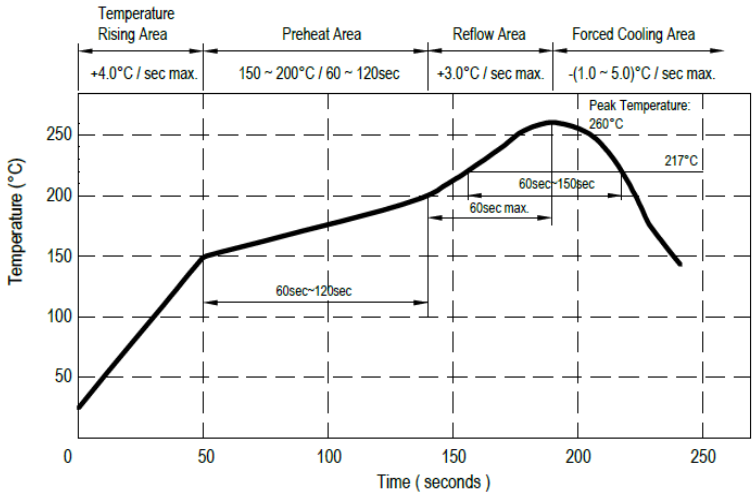
- Wire wound type inductor.
- Ferrite core with tin plating terminals.
- Comply with RoHS requirement.
- Product weight: 0.025g ref.

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[1] (nH)	Tolerance	Q[2] Min.	S.R.F.[3] Min. (MHz)	RDC[4] Max. (Ω)	IDC[5] Max. (mA)	Marking
SWI1008FTR47□-□□	0.47 @ 25MHz	K, J	45 @ 100MHz	480	0.55	500	R47
SWI1008FTR56□-□□	0.56 @ 25MHz	K, J	45 @ 100MHz	430	0.60	500	R56
SWI1008FTR68□-□□	0.68 @ 25MHz	K, J	45 @ 100MHz	380	0.80	500	R68
SWI1008FTR82□-□□	0.82 @ 25MHz	K, J	45 @ 100MHz	350	0.92	500	R82
SWI1008FT1R0□-□□	1.00 @ 25MHz	K, J	35 @ 50MHz	310	1.75	430	1R0
SWI1008FT1R2□-□□	1.2 @ 7.96MHz	K, J	20 @ 7.96MHz	280	1.30	230	1R2
SWI1008FT1R5□-□□	1.5 @ 7.96MHz	K, J	20 @ 7.96MHz	250	1.65	220	1R5
SWI1008FT1R8□-□□	1.8 @ 7.96MHz	K, J	20 @ 7.96MHz	200	2.20	210	1R8
SWI1008FT2R2□-□□	2.2 @ 7.96MHz	K, J	20 @ 7.96MHz	160	2.35	200	2R2
SWI1008FT2R7□-□□	2.7 @ 7.96MHz	K, J	20 @ 7.96MHz	130	2.60	195	2R7
SWI1008FT3R3□-□□	3.3 @ 7.96MHz	K, J	20 @ 7.96MHz	80	2.85	185	3R3
SWI1008FT3R9□-□□	3.9 @ 7.96MHz	K, J	20 @ 7.96MHz	50	4.00	180	3R9
SWI1008FT4R7□-□□	4.7 @ 7.96MHz	K, J	20 @ 7.96MHz	45	4.30	175	4R7
SWI1008FT5R6□-□□	5.6 @ 7.96MHz	K, J	20 @ 7.96MHz	42	2.60	170	5R6
SWI1008FT6R8□-□□	6.8 @ 7.96MHz	K, J	20 @ 7.96MHz	39	2.80	165	6R8
SWI1008FT8R2□-□□	8.2 @ 7.96MHz	K, J	20 @ 7.96MHz	36	3.05	160	8R2
SWI1008FT100□-□□	10 @ 2.52MHz	K, J	15 @ 2.52MHz	33	3.50	150	100
SWI1008FT120□-□□	12 @ 2.52MHz	K, J	15 @ 2.52MHz	30	3.60	140	120
SWI1008FT150□-□□	15 @ 2.52MHz	K, J	15 @ 2.52MHz	26	4.00	130	150
SWI1008FT180□-□□	18 @ 2.52MHz	K, J	15 @ 2.52MHz	24	4.50	120	180
SWI1008FT220□-□□	22 @ 2.52MHz	K, J	15 @ 2.52MHz	22	5.00	110	220
SWI1008FT270□-□□	27 @ 2.52MHz	K, J	15 @ 2.52MHz	21	6.00	95	270
SWI1008FT330□-□□	33 @ 2.52MHz	K, J	15 @ 2.52MHz	20	6.50	85	330
SWI1008FT390□-□□	39 @ 2.52MHz	K, J	15 @ 2.52MHz	18	8.50	60	390
SWI1008FT470□-□□	47 @ 2.52MHz	K, J	15 @ 2.52MHz	17	14.00	45	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.