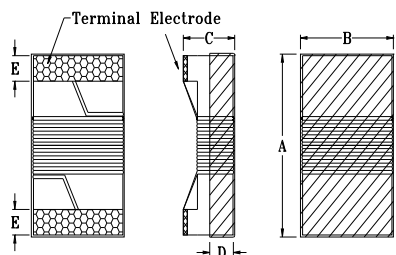


## 1. Features

1. Ferrite core wire wound construction.
2. High Reliability due to wire wound type construction.
3. Small footprint as well as low profile.
4. Application for Signal Use.
5. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



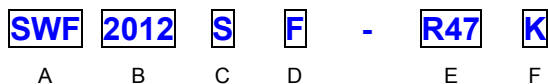
## 2. Dimensions



Size	A	B	C	D	E
SWF2012	2.40 max.	1.60 max.	1.40 max.	0.51 ref.	0.44±0.1

Unit:mm

## 3. Part Numbering



- A: Series  
 B: Dimension L x W  
 C: Application For Signal Use  
 D: Lead free type  
 E: Inductance R47=0.47 uH  
 F: Inductance Tolerance J=±5% , K=±10%

## 4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ω) max.	SRF (MHz) min.
SWF2012SF-R47□	0.47	J,K	0.5V/25.2M	30	100	420	0.54	570
SWF2012SF-R56□	0.56	J,K	0.5V/25.2M	30	100	400	0.64	560
SWF2012SF-R68□	0.68	J,K	0.5V/25.2M	30	100	350	0.68	480
SWF2012SF-R82□	0.82	J,K	0.5V/25.2M	30	100	325	0.77	449
SWF2012SF-1R0□	1.00	J,K	0.5V/25.2M	30	100	300	0.86	394
SWF2012SF-1R2□	1.20	J,K	0.5V/25.2M	25	100	260	0.97	297
SWF2012SF-1R5□	1.50	J,K	0.5V/25.2M	25	25.2	250	1.08	206
SWF2012SF-1R8□	1.80	J,K	0.5V/25.2M	25	25.2	230	1.18	177
SWF2012SF-2R2□	2.20	J,K	0.5V/25.2M	20	25.2	220	1.32	141

TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	Rated Current (mA) max.	DCR ( $\Omega$ ) max.	SRF (MHz) min.
SWF2012SF-2R7□	2.70	J,K	0.5V/25.2M	20	25.2	210	1.42	128
SWF2012SF-3R3□	3.30	J,K	0.5V/25.2M	15	25.2	200	1.73	110
SWF2012SF-3R9□	3.90	J,K	0.5V/25.2M	15	25.2	195	1.72	103
SWF2012SF-4R7□	4.70	J,K	0.5V/25.2M	15	25.2	185	1.87	98
SWF2012SF-5R6□	5.60	J,K	0.5V/7.96M	15	7.96	180	2.18	60
SWF2012SF-6R8□	6.80	J,K	0.5V/7.96M	15	7.96	175	2.90	58
SWF2012SF-8R2□	8.20	J,K	0.5V/7.96M	15	7.96	140	3.31	40
SWF2012SF-100□	10.0	J,K	0.5V/7.96M	15	7.96	115	3.72	32

