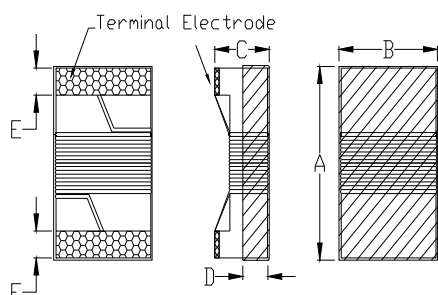


1. Features

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 DC power line.
5. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



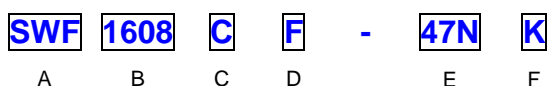
2. Dimensions



Size	A	B	C	D	E
SWF1608	1.80 max.	1.20 max.	1.20 max.	0.38 ref.	0.35±0.1

Unit:mm

3. Part Numbering



A: Series

B: Dimension

C: Application

D: Lead free type

E: Inductance

F: Inductance Tolerance

L x W

DC Power Line

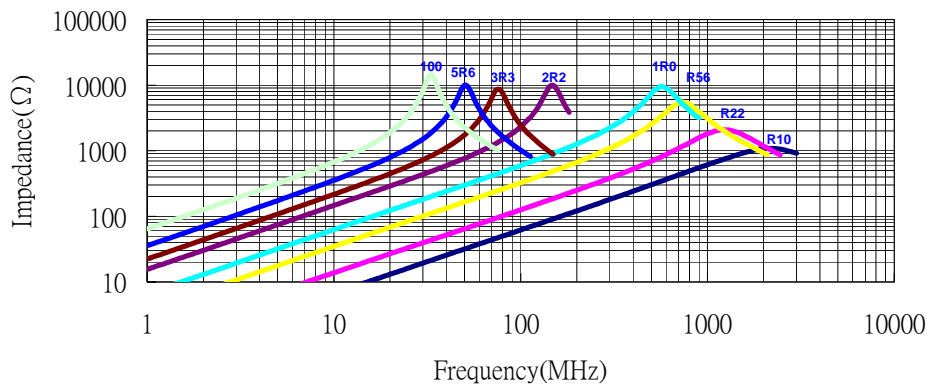
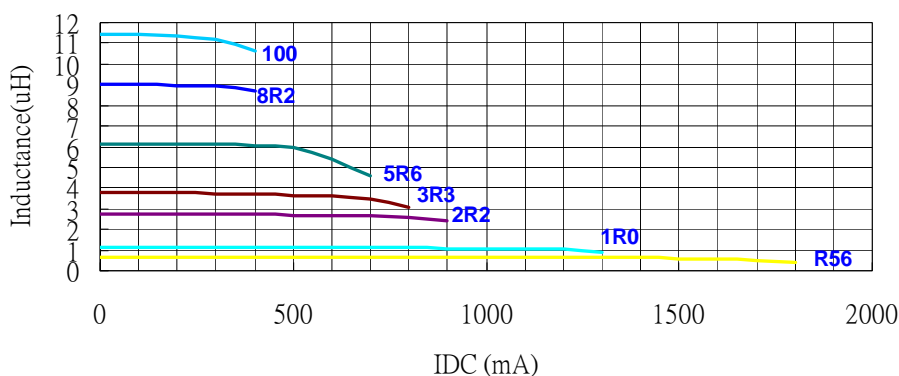
47N=0.047 uH

K=±10%; M=±20%

4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DCR (Ω) max.	Rated Current (mA) max.
SWF1608CF-47NK	0.047±10%	K,M	0.5V/7.96M	10	7.96	1500	0.075	1400
SWF1608CF-R10K	0.10±10%	K,M	0.5V/7.96M	10	7.96	1150	0.13	1400
SWF1608CF-R12K	0.12±10%	K,M	0.5V/7.96M	10	7.96	1100	0.15	1400
SWF1608CF-R15K	0.15±10%	K,M	0.5V/7.96M	10	7.96	1050	0.15	1300
SWF1608CF-R18K	0.18±10%	K,M	0.5V/7.96M	10	7.96	950	0.15	1300
SWF1608CF-R22K	0.22±10%	K,M	0.5V/7.96M	10	7.96	800	0.15	950
SWF1608CF-R24K	0.24±10%	K,M	0.5V/7.96M	10	7.96	800	0.31	620
SWF1608CF-R27K	0.27±10%	K,M	0.5V/7.96M	10	7.96	775	0.20	710
SWF1608CF-R33K	0.33±10%	K,M	0.5V/7.96M	10	7.96	725	0.35	620
SWF1608CF-R39K	0.39±10%	K,M	0.5V/7.96M	10	7.96	620	0.39	600
SWF1608CF-R47K	0.47±10%	K,M	0.5V/7.96M	10	7.96	540	0.43	570
SWF1608CF-R56K	0.56±10%	K,M	0.5V/7.96M	10	7.96	525	0.47	550
SWF1608CF-R68K	0.68±10%	K,M	0.5V/7.96M	10	7.96	460	0.52	470
SWF1608CF-R82K	0.82±10%	K,M	0.5V/7.96M	10	7.96	410	0.69	400
SWF1608CF-1R0K	1.0±10%	K,M	0.5V/7.96M	10	7.96	190	0.81	400
SWF1608CF-1R2K	1.2±10%	K,M	0.5V/7.96M	10	7.96	160	0.87	370

TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q min.	Test Frequency (MHz)	SRF (MHz) min.	DCR (Ω) max.	Rated Current (mA) max.
SWF1608CF-1R5K	1.5±10%	K,M	0.5V/7.96M	10	7.96	100	0.96	350
SWF1608CF-1R8K	1.8±10%	K,M	0.5V/7.96M	10	7.96	80	1.10	350
SWF1608CF-2R2K	2.2±10%	K,M	0.5V/7.96M	10	7.96	68	1.20	320
SWF1608CF-3R3K	3.3±10%	K,M	0.5V/7.96M	10	7.96	42	1.50	280
SWF1608CF-3R9K	3.9±10%	K,M	0.5V/7.96M	10	7.96	40	1.50	280
SWF1608CF-4R7K	4.7±10%	K,M	0.5V/7.96M	10	7.96	34	2.10	260
SWF1608CF-5R6K	5.6±10%	K,M	0.5V/7.96M	10	7.96	32	2.60	240
SWF1608CF-6R8K	6.8±10%	K,M	0.5V/7.96M	10	7.96	31	3.10	200
SWF1608CF-8R2K	8.2±10%	K,M	0.5V/7.96M	10	7.96	26	4.40	190
SWF1608CF-100K	10.0±10%	K,M	0.5V/2.52M	10	2.52	25	4.80	180

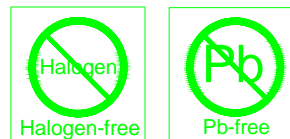


Winding Type Chip Inductor

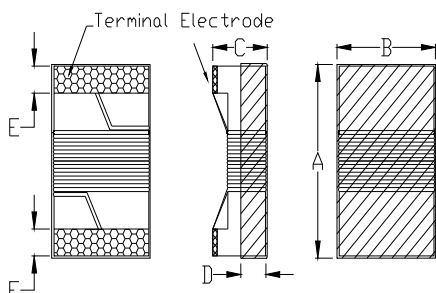
SWF1608LF-SERIES

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
SWF1608	1.65±0.15	1.15±0.15	1.05±0.15	0.38 ref.	0.35±0.1

Unit:mm

3. Part Numbering

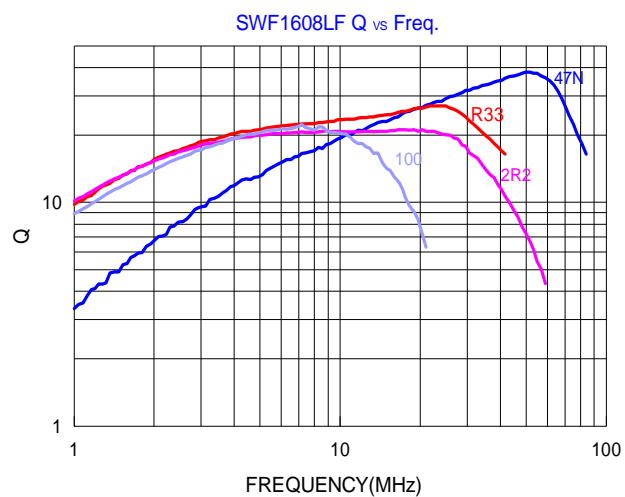
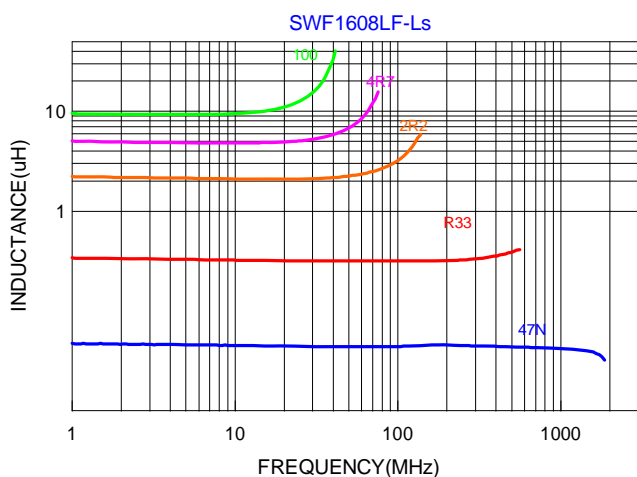
SWF **1608** **L** **F** - **R10** **K**
 A B C D E F

- A: Series
- B: Dimension L x W
- C: Application For Signal Use
- D: Lead free type
- E: Inductance R10=0.1uH
- F: Inductance Tolerance J=±5%,K=±10%

4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q Typ	Test Frequency (MHz)	SRF (MHz) typ.	DCR (Ω) max.	IDC (mA) max.
SWF1608LF-47NK	0.047±10%	K	0.5V/7.9M	17	7.9	1700	0.075	1500
SWF1608LF-72NK	0.072±10%	K	0.5V/7.9M	17	7.9	1700	0.12	1500
SWF1608LF-R10K	0.1±10%	K	0.5V/7.9M	17	7.9	1500	0.12	1500
SWF1608LF-R15K	0.15±10%	K	0.5V/7.9M	17	7.9	1350	0.15	1450
SWF1608LF-R18K	0.18±10%	K	0.5V/7.9M	17	7.9	1150	0.15	1400
SWF1608LF-R33K	0.33±10%	K	0.5V/7.9M	17	7.9	850	0.46	900
SWF1608LF-R39K	0.39±10%	K	0.5V/7.9M	17	7.9	810	0.51	1100
SWF1608LF-R47K	0.47±10%	K	0.5V/7.9M	17	7.9	720	0.62	1050
SWF1608LF-R56K	0.56±10%	K	0.5V/7.9M	17	7.9	600	0.44	850
SWF1608LF-R68K	0.68±10%	K	0.5V/7.9M	17	7.9	600	0.52	850
SWF1608LF-R82K	0.82±10%	K	0.5V/7.9M	17	7.9	480	0.69	750
SWF1608LF-R91K	0.91±10%	K	0.5V/7.9M	17	7.9	330	0.76	670
SWF1608LF-1R0K	1.00±10%	K	0.5V/7.9M	17	7.9	310	0.81	600

TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q Typ	Test Frequency (MHz)	SRF (MHz) typ.	DCR (Ω) max.	IDC (mA) max.
SWF1608LF-1R2K	1.2 \pm 10%	K	0.5V/7.9M	17	7.9	270	0.87	550
SWF1608LF-1R5K	1.5 \pm 10%	K	0.5V/7.9M	17	7.9	270	1.06	540
SWF1608LF-1R8K	1.8 \pm 10%	K	0.5V/7.9M	17	7.9	230	1.1	520
SWF1608LF-2R2K	2.2 \pm 10%	K	0.5V/7.9M	17	7.9	130	1.2	500
SWF1608LF-2R7K	2.7 \pm 10%	K	0.5V/7.9M	17	7.9	105	1.5	480
SWF1608LF-3R3K	3.3 \pm 10%	K	0.5V/7.9M	17	7.9	84	1.5	440
SWF1608LF-3R9K	3.9 \pm 10%	K	0.5V/7.9M	17	7.9	80	1.6	430
SWF1608LF-4R7J	4.7 \pm 5%	J,K	0.5V/7.9M	18	7.9	69	2.1	420
SWF1608LF-5R6J	5.6 \pm 5%	J,K	0.5V/7.9M	18	7.9	65	2.6	350
SWF1608LF-6R8J	6.8 \pm 5%	J,K	0.5V/7.9M	19	7.9	55	3.1	330
SWF1608LF-7R8J	7.8 \pm 5%	J,K	0.5V/7.9M	17	7.9	47	3.5	320
SWF1608LF-8R2J	8.2 \pm 5%	J,K	0.5V/7.9M	17	7.9	42	3.8	300
SWF1608LF-100J	10 \pm 5%	J,K	0.5V/7.9M	19	7.9	40	4.8	270

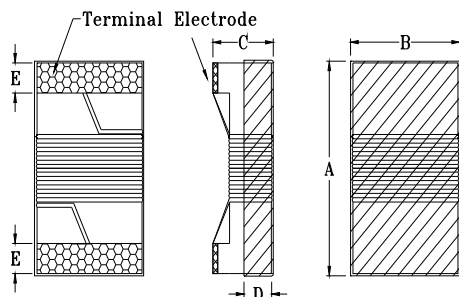


1. Features

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 DC power line.
5. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



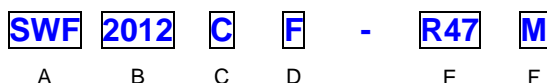
2. Dimensions



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

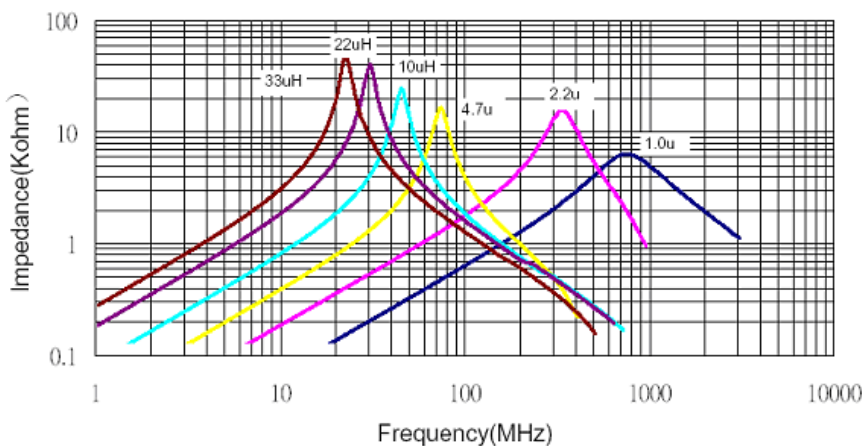
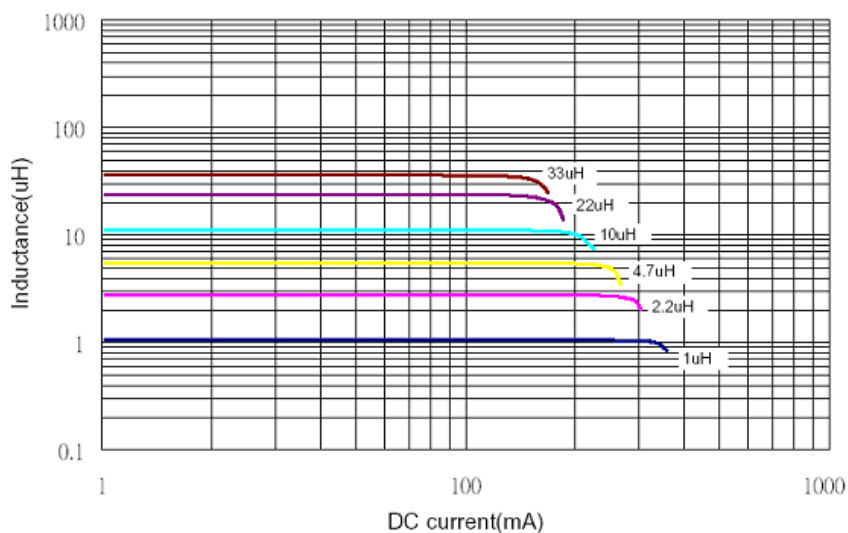


- A: Series
 B: Dimension L x W
 C: Application DC Power Line
 D: Lead free type
 E: Inductance R47=0.47 uH
 F: Inductance Tolerance K=±10%,M=±20%

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.
SWF2012CF-R47K	0.47±10%	K,M	0.5V/7.96M	10	7.96	750	0.20	720
SWF2012CF-R56K	0.56±10%	K,M	0.5V/7.96M	10	7.96	730	0.21	665
SWF2012CF-R68K	0.68±10%	K,M	0.5V/7.96M	10	7.96	670	0.28	565
SWF2012CF-R82K	0.82±10%	K,M	0.5V/7.96M	10	7.96	650	0.31	545
SWF2012CF-1R0K	1.00±10%	K,M	0.5V/7.96M	10	7.96	615	0.34	525
SWF2012CF-1R2K	1.20±10%	K,M	0.5V/7.96M	10	7.96	550	0.39	473
SWF2012CF-1R5K	1.50±10%	K,M	0.5V/7.96M	10	7.96	520	0.45	300
SWF2012CF-1R8K	1.80±10%	K,M	0.5V/7.96M	10	7.96	500	0.48	230
SWF2012CF-2R2K	2.20±10%	K,M	0.5V/7.96M	10	7.96	420	0.67	215

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.
SWF2012CF-2R7K	2.70±10%	K,M	0.5V/7.96M	10	7.96	410	0.74	140
SWF2012CF-3R3K	3.30±10%	K,M	0.5V/7.96M	10	7.96	385	0.81	95
SWF2012CF-3R9K	3.90±10%	K,M	0.5V/7.96M	10	7.96	372	0.88	57
SWF2012CF-4R7K	4.70±10%	K,M	0.5V/7.96M	10	7.96	345	0.99	51
SWF2012CF-5R6K	5.60±10%	K,M	0.5V/7.96M	10	7.96	335	1.06	44
SWF2012CF-6R8K	6.80±10%	K,M	0.5V/7.96M	10	7.96	315	1.21	39
SWF2012CF-8R2K	8.20±10%	K,M	0.5V/7.96M	10	7.96	295	1.33	33
SWF2012CF-100K	10.0±10%	K,M	0.5V/2.52M	10	2.52	260	1.79	30
SWF2012CF-120K	12.0±10%	K,M	0.5V/2.52M	10	2.52	250	1.98	27
SWF2012CF-150K	15.0±10%	K,M	0.5V/2.52M	10	2.52	215	2.68	22
SWF2012CF-180K	18.0±10%	K,M	0.5V/2.52M	10	2.52	195	3.12	20
SWF2012CF-220K	22.0±10%	K,M	0.5V/2.52M	10	2.52	180	3.48	18
SWF2012CF-270K	27.0±10%	K,M	0.5V/2.52M	10	2.52	170	3.84	16
SWF2012CF-330K	33.0±10%	K,M	0.5V/2.52M	10	2.52	145	4.34	15

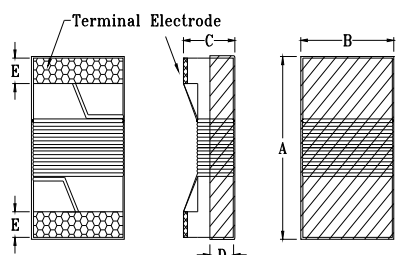


1. Features

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.	1.72 max.	1.52 max.	0.51 ref.	0.44±0.1

Unit:mm

3. Part Numbering

SWF	2012	L	F	-	R47	K
A	B	C	D		E	F

A: Series

B: Dimension

L x W

C: Application

For Signal Use

D: Lead free type

E: Inductance

R47=0.47 uH

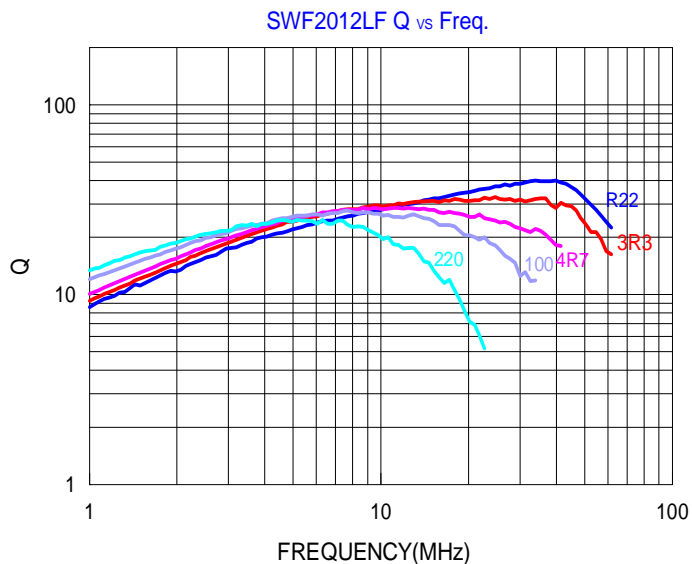
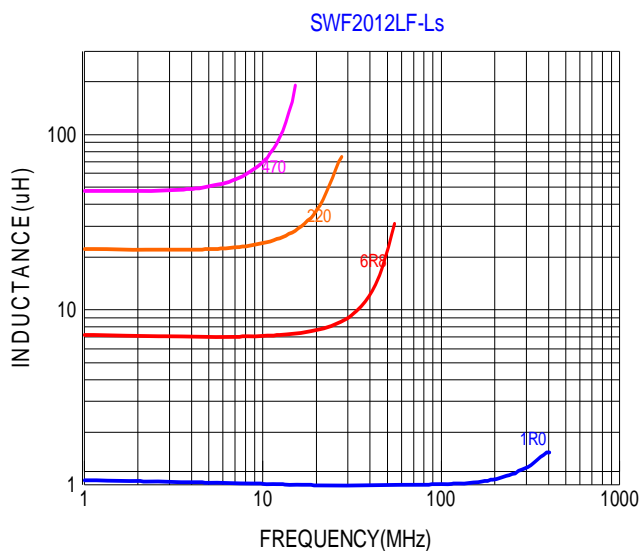
F: Inductance Tolerance

J=±5% , K=±10%

4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q typ.	IDC (mA) max.	DCR (Ω) max.	SRF (MHz) typ.
SWF2012LF-78NK	0.078±10%	K	0.5V/7.9M	19	2000	0.06	1440
SWF2012LF-90NK	0.090±10%	K	0.5V/7.9M	19	2000	0.07	1200
SWF2012LF-R11K	0.11±10%	K	0.5V/7.9M	19	2000	0.07	1200
SWF2012LF-R47K	0.47±10%	K	0.5V/7.9M	19	800	0.40	480
SWF2012LF-R56K	0.56±10%	K	0.5V/7.9M	30	800	0.40	480
SWF2012LF-R68K	0.68±10%	K	0.5V/7.9M	20	800	0.40	480
SWF2012LF-R91K	0.91±10%	K	0.5V/7.9M	20	700	0.69	400
SWF2012LF-1R0K	1.0±10%	K	0.5V/7.9M	20	700	0.69	400
SWF2012LF-1R2K	1.20±10%	K	0.5V/7.9M	20	700	0.83	330

TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q typ.	IDC (mA) max.	DCR (Ω) max.	SRF (MHz) typ.
SWF2012LF-1R5K	1.50±10%	K	0.5V/7.9M	20	700	0.83	330
SWF2012LF-1R8K	1.80±10%	K	0.5V/7.9M	20	650	1.00	300
SWF2012LF-2R2K	2.20±10%	K	0.5V/7.9M	20	650	1.10	250
SWF2012LF-2R7K	2.70±10%	K	0.5V/7.9M	23	650	1.25	200
SWF2012LF-3R3K	3.30±10%	K	0.5V/7.9M	23	650	1.45	160
SWF2012LF-3R9K	3.90±10%	K	0.5V/7.9M	23	600	1.50	90
SWF2012LF-4R7J	4.70±5%	J,K	0.5V/7.9M	20	530	1.60	70
SWF2012LF-5R6J	5.60±5%	J,K	0.5V/7.9M	20	500	1.70	65
SWF2012LF-6R8J	6.80±5%	J,K	0.5V/7.9M	20	470	1.95	45
SWF2012LF-8R2J	8.20±5%	J,K	0.5V/2.5	16	450	2.10	45
SWF2012LF-100J	10.0±5%	J,K	0.5V/2.5	16	400	2.40	40
SWF2012LF-120J	12.0±5%	J,K	0.5V/2.5	16	360	3.20	38
SWF2012LF-150J	15.0±5%	J,K	0.5V/2.5	16	350	3.55	30
SWF2012LF-180J	18.0±5%	J,K	0.5V/2.5	16	300	4.90	25
SWF2012LF-220J	22.0±5%	J,K	0.5V/2.5	16	270	5.45	20
SWF2012LF-270J	27.0±5%	J,K	0.5V/2.5	16	240	7.80	19
SWF2012LF-330J	33.0±5%	J,K	0.5V/2.5	16	210	9.50	16
SWF2012LF-470J	47.0±5%	J,K	0.5V/2.5	16	180	14.50	15



Winding Type Chip Inductor

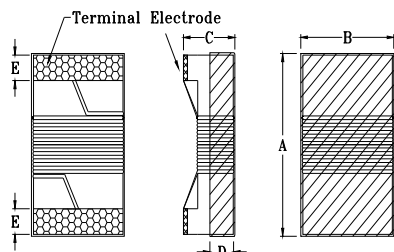
SWF2012SF-SERIES

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

SWF
2012
S
F
-
R47
K

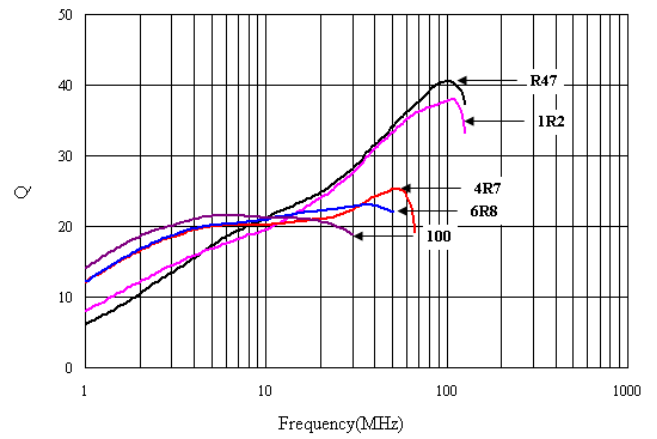
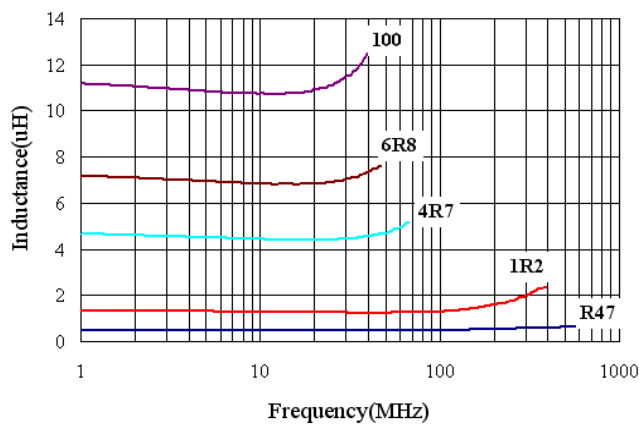
A B C D E F

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-R47J	0.47±5%	J,K	0.5V/25.2M	30	100	420	0.54	570
SWF2012SF-R56J	0.56±5%	J,K	0.5V/25.2M	30	100	400	0.64	560
SWF2012SF-R68J	0.68±5%	J,K	0.5V/25.2M	30	100	350	0.68	480
SWF2012SF-R82J	0.82±5%	J,K	0.5V/25.2M	30	100	325	0.77	449
SWF2012SF-1R0J	1.00±5%	J,K	0.5V/25.2M	30	100	300	0.86	394
SWF2012SF-1R2J	1.20±5%	J,K	0.5V/25.2M	25	100	260	0.97	297
SWF2012SF-1R5J	1.50±5%	J,K	0.5V/25.2M	25	25.2	250	1.08	206
SWF2012SF-1R8J	1.80±5%	J,K	0.5V/25.2M	25	25.2	230	1.18	177
SWF2012SF-2R2J	2.20±5%	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 (Ω) max.	SRF (MHz) min.
SWF2012SF-2R7J	2.70 \pm 5%	J,K	0.5V/25.2M	20	25.2	210	1.42	128
SWF2012SF-3R3J	3.30 \pm 5%	J,K	0.5V/25.2M	15	25.2	200	1.73	110
SWF2012SF-3R9J	3.90 \pm 5%	J,K	0.5V/25.2M	15	25.2	195	1.72	103
SWF2012SF-4R7J	4.70 \pm 5%	J,K	0.5V/25.2M	15	25.2	185	1.87	98
SWF2012SF-5R6J	5.60 \pm 5%	J,K	0.5V/7.96M	15	7.96	180	2.18	60
SWF2012SF-6R8J	6.80 \pm 5%	J,K	0.5V/7.96M	15	7.96	175	2.90	58
SWF2012SF-8R2J	8.20 \pm 5%	J,K	0.5V/7.96M	15	7.96	140	3.31	40
SWF2012SF-100J	10.0 \pm 5%	J,K	0.5V/7.96M	15	7.96	115	3.72	32



Winding Type Chip Inductor

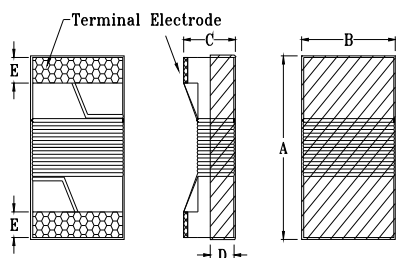
SWF2520CF-SERIES

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 DC power line.
5. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



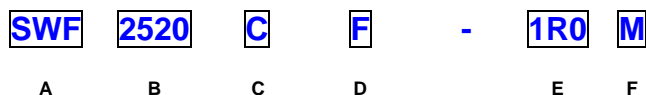
2. Dimensions



Size	A	B	C	D	E
SWF2520	2.90 max.	2.50 max.	2.10 max.	1.20 ref.	0.55±0.1

Unit:mm

3. Part Numbering

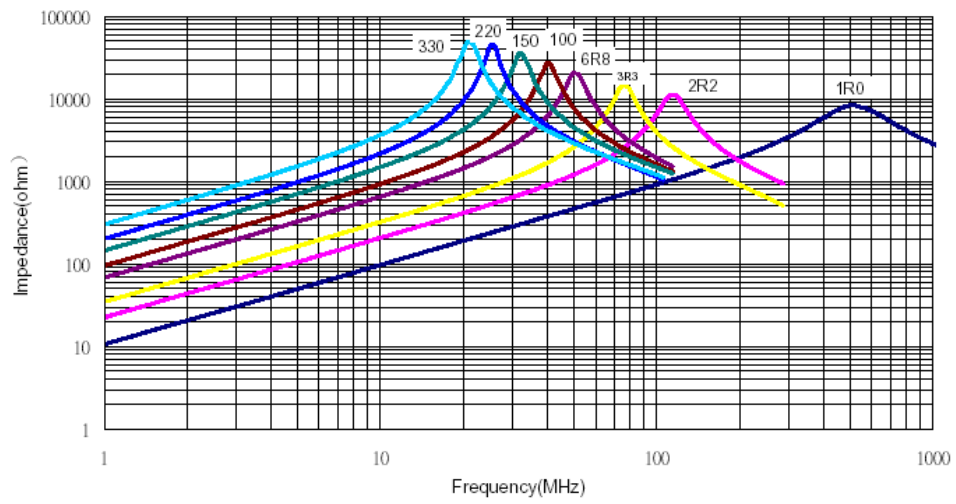
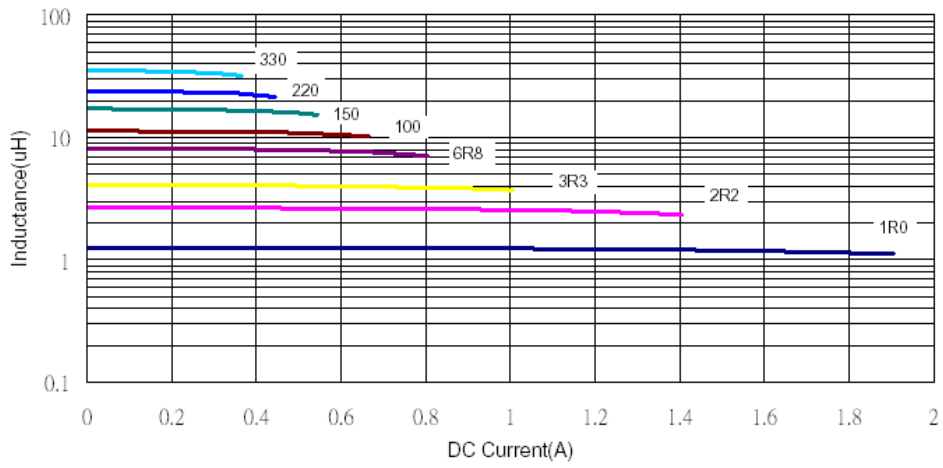


A: Series
 B: Dimension
 C: Application
 D: Lead Free Code
 E: Inductance
 F: Inductance Tolerance

L x W
 DC Power Line
 1R0=1.00 uH
 K=±10%, M=±20%

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.
SWF2520CF-1R0K	1.00±10%	K,M	0.5V/7.96M	12	7.96	1000	0.13	345
SWF2520CF-1R5K	1.50±10%	K,M	0.5V/7.96M	12	7.96	850	0.17	100
SWF2520CF-2R2K	2.20±10%	K,M	0.5V/7.96M	12	7.96	775	0.21	78
SWF2520CF-3R3K	3.30±10%	K,M	0.5V/7.96M	12	7.96	715	0.26	48
SWF2520CF-4R7K	4.70±10%	K,M	0.5V/7.96M	12	7.96	505	0.52	46
SWF2520CF-6R8K	6.80±10%	K,M	0.5V/7.96M	12	7.96	432	0.72	33
SWF2520CF-8R2K	8.20±10%	J,K	0.5V/2.52M	12	2.52	410	0.76	30
SWF2520CF-100K	10.0±10%	K,M	0.5V/2.52M	12	2.52	392	0.86	28
SWF2520CF-150	15.0±10%	K,M	0.5V/2.52M	12	2.52	342	1.09	21
SWF2520CF-220K	22.0±10%	K,M	0.5V/2.52M	12	2.52	260	1.96	18
SWF2520CF-330K	33.0±10%	K,M	rspiration 12	12	2.52	236	2.47	15

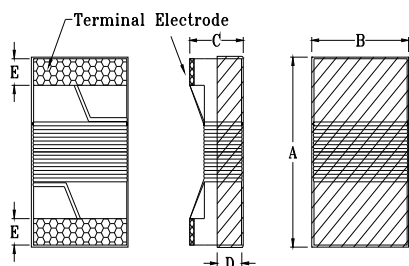


1. Features

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
SWF2520	2.90 max.	2.50 max.	2.10 max.	1.20 ref.	0.55±0.1

Unit:mm

3. Part Numbering

SWF	2520	S	F	-	1R0	K
A	B	C	D		E	F

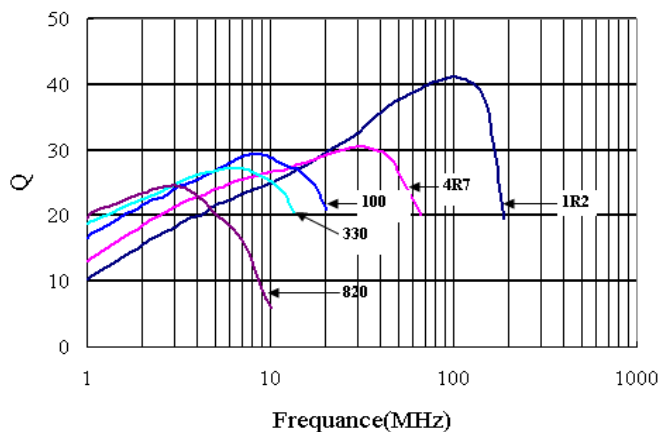
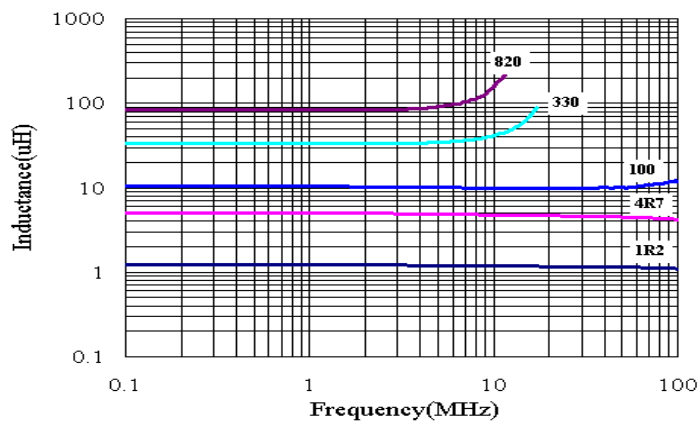
A: Series
 B: Dimension
 C: Application
 D: Lead Free Code
 E: Inductance
 F: Inductance Tolerance

L x W
 For Signal Use
 1R0=1.0 uH
 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.
SWF2520SF-1R0J	1.00±5%	J,K	0.5V/25.2M	30	25.2	400	0.80	285
SWF2520SF-1R2J	1.20±5%	J,K	0.5V/25.2M	25	25.2	300	0.87	265
SWF2520SF-1R5J	1.50±5%	J,K	0.5V/25.2M	25	25.2	260	0.98	235
SWF2520SF-1R8J	1.80±5%	J,K	0.5V/25.2M	25	25.2	245	1.10	226
SWF2520SF-2R2J	2.20±5%	J,K	0.5V/25.2M	25	25.2	230	1.22	198
SWF2520SF-2R7J	2.70±5%	J,K	0.5V/25.2M	25	25.2	220	1.33	180
SWF2520SF-3R3J	3.30±5%	J,K	0.5V/25.2M	25	25.2	210	1.46	143
SWF2520SF-3R9J	3.90±5%	J,K	0.5V/25.2M	25	25.2	200	1.63	136
SWF2520SF-4R7J	4.70±5%	J,K	0.5V/25.2M	25	25.2	195	1.76	105
SWF2520SF-5R6J	5.60±5%	J,K	0.5V/25.2M	25	25.2	185	1.97	88
SWF2520SF-6R8J	6.80±5%	J,K	0.5V/7.96M	25	7.96	190	1.79	56
SWF2520SF-8R2J	8.20±5%	J,K	0.5V/7.96M	25	7.96	180	2.03	48
SWF2520SF-100J	10.0±5%	J,K	0.5V/7.96M	25	7.96	165	2.92	44

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.
SWF2520SF-120J	12.0 \pm 5%	J,K	0.5V/7.96M	25	7.96	160	3.11	42
SWF2520SF-150J	15.0 \pm 5%	J,K	0.5V/7.96M	25	7.96	155	3.58	37
SWF2520SF-180J	18.0 \pm 5%	J,K	0.5V/2.52M	20	2.52	150	3.89	32
SWF2520SF-220J	22.0 \pm 5%	J,K	0.5V/2.52M	20	2.52	140	4.38	28
SWF2520SF-270J	27.0 \pm 5%	J,K	0.5V/2.52M	20	2.52	130	4.92	24
SWF2520SF-330J	33.0 \pm 5%	J,K	0.5V/2.52M	20	2.52	125	5.50	22

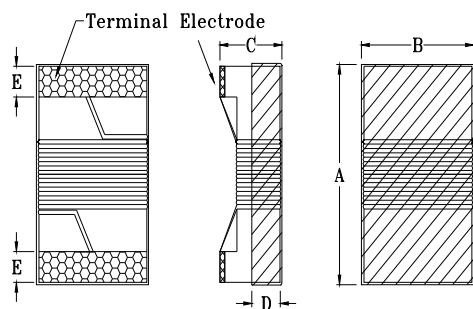


1. Features

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 DC power line.
5. 100% Lead(Pb) & Halogen-Free and RoHS compliant.



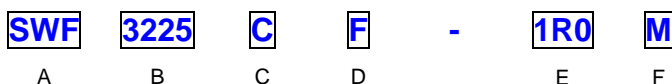
2. Dimension



Size	A	B	C	D	E
SWF3225	3.60 max.	2.80 max.	2.60 max.	0.80 ref.	0.55±0.1

Unit:mm

3. Part Numbering

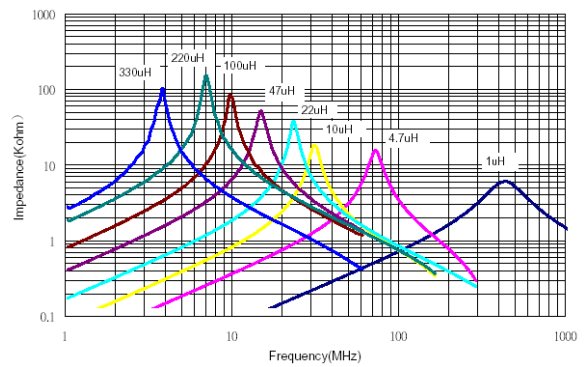
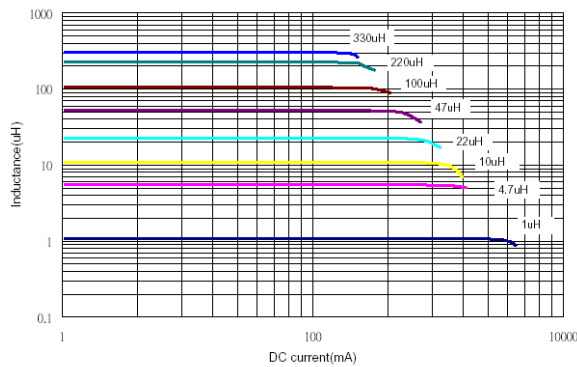


A: Series
 B: Dimension L x W
 C: Application DC Power Line
 D: Lead free
 E: Inductance 1R0=1.00uH
 F: Inductance Tolerance K=±10%, M=±20%

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.
SWF3225CF-1R0K	1.00±10%	K,M	0.5V/7.96M	10	7.96	1200	0.12	290
SWF3225CF-1R5K	1.50±10%	K,M	0.5V/7.96M	10	7.96	1000	0.13	260
SWF3225CF-2R2K	2.20±10%	K,M	0.5V/7.96M	10	7.96	880	0.17	190
SWF3225CF-3R3K	3.30±10%	K,M	0.5V/7.96M	10	7.96	775	0.22	64
SWF3225CF-4R7K	4.70±10%	K,M	0.5V/7.96M	10	7.96	710	0.26	54
SWF3225CF-6R8K	6.80±10%	K,M	0.5V/7.96M	10	7.96	660	0.30	34
SWF3225CF-100K	10.0±10%	K,M	0.5V/2.52M	10	2.52	570	0.39	25
SWF3225CF-150K	15.0±10%	K,M	0.5V/2.52M	10	2.52	440	0.66	17
SWF3225CF-220K	22.0±10%	K,M	0.5V/2.52M	10	2.52	400	0.82	16

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.
SWF3225CF-330K	33.0 \pm 10%	K,M	0.5V/2.52M	10	2.52	285	1.50	12
SWF3225CF-390K	39.0 \pm 10%	K,M	0.5V/2.52M	10	2.52	270	1.66	12
SWF3225CF-470K	47.0 \pm 10%	K,M	0.5V/2.52M	10	2.52	260	1.90	10
SWF3225CF-680K	68.0 \pm 10%	K,M	0.5V/2.52M	10	2.52	235	2.29	9.0
SWF3225CF-101K	100 \pm 10%	K,M	0.5V/1M	10	1.00	190	3.48	7.0
SWF3225CF-151K	150 \pm 10%	K,M	0.5V/1M	10	1.00	140	6.55	5.0
SWF3225CF-221K	220 \pm 10%	K,M	0.5V/1M	10	1.00	115	8.23	4.0
SWF3225CF-331K	330 \pm 10%	K,M	0.5V/1M	10	1.00	98	13.7	2.8
SWF3225CF-471K	470 \pm 10%	K,M	0.5V/1M	10	1.00	86	18.1	2.6
SWF3225CF-681K	680 \pm 10%	K,M	0.5V/1M	10	1.00	76	22.0	2.3

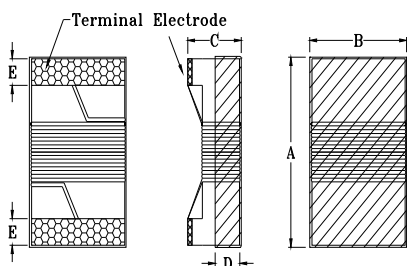


1. Features

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
SWF3225	3.60 max.	2.80 max.	2.50 max.	0.80 ref.	0.55±0.1

Unit:mm

3. Part Numbering

SWF	3225	S	F	-	1R0	K
A	B	C	D		E	F

A: Series
 B: Dimension L x W
 C: Application For Signal Use
 D: Lead Free Code
 E: Inductance 1R0=1.00uH
 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.
SWF3225SF-1R0J	1.00±5%	J,K	0.5V/25.2M	30	25.2	630	0.54	239
SWF3225SF-1R2J	1.20±5%	J,K	0.5V/25.2M	30	25.2	630	0.54	221
SWF3225SF-1R5J	1.50±5%	J,K	0.5V/25.2M	30	25.2	630	0.54	209
SWF3225SF-1R8J	1.80±5%	J,K	0.5V/25.2M	30	25.2	630	0.62	203
SWF3225SF-2R2J	2.20±5%	J,K	0.5V/25.2M	30	25.2	630	0.71	187
SWF3225SF-2R7J	2.70±5%	J,K	0.5V/25.2M	30	25.2	630	0.74	157
SWF3225SF-3R3J	3.30±5%	J,K	0.5V/25.2M	30	25.2	600	0.83	146
SWF3225SF-3R9J	3.90±5%	J,K	0.5V/25.2M	30	25.2	380	1.74	139
SWF3225SF-4R7J	4.70±5%	J,K	0.5V/25.2M	30	25.2	360	1.90	124
SWF3225SF-5R6J	5.60±5%	J,K	0.5V/25.2M	30	25.2	330	2.05	114
SWF3225SF-6R8J	6.80±5%	J,K	0.5V/7.96M	30	7.96	450	1.37	109
SWF3225SF-8R2J	8.20±5%	J,K	0.5V/7.96M	30	7.96	420	1.50	104
SWF3225SF-100J	10.0±5%	J,K	0.5V/7.96M	25	7.96	400	1.70	87

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.
SWF3225SF-120J	12.0 \pm 5%	J,K	0.5V/7.96M	25	7.96	360	1.88	76
SWF3225SF-150J	15.0 \pm 5%	J,K	0.5V/7.96M	25	7.96	340	2.22	67
SWF3225SF-180J	18.0 \pm 5%	J,K	0.5V/7.96M	25	7.96	330	2.42	57
SWF3225SF-220J	22.0 \pm 5%	J,K	0.5V/7.96M	25	7.96	300	2.66	48
SWF3225SF-270J	27.0 \pm 5%	J,K	0.5V/2.52M	25	2.52	250	2.99	38
SWF3225SF-330J	33.0 \pm 5%	J,K	0.5V/2.52M	25	2.52	220	3.24	26