



伸勇集團  
成育科技股份有限公司

AMODE TECH.LTD.



高频绕线电感系列目录  
(2024年)

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# Catalog of Products

SMD Type	Model	P/N	Size (mm)	Inductance	Page
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High Frequency Wirewound Chip Inductors		AFLC0402	1005	1-68nH	<u>10</u>
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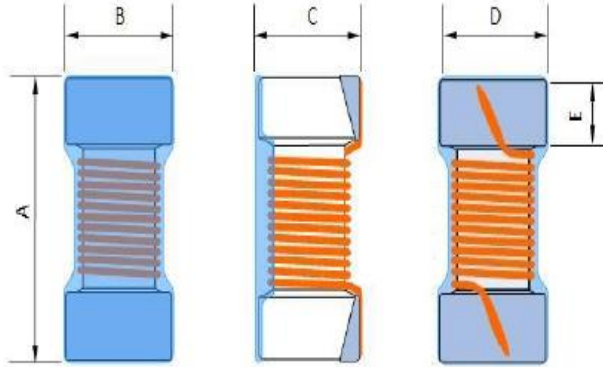


# Amode Tech. Ltd.

## AFLF0402 SERIES

### High Frequency Wirewound Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

A	1.10	± 0.10
B	0.60	± 0.10
C	0.55	± 0.10
D	0.50	± 0.10
E	0.20	± 0.10



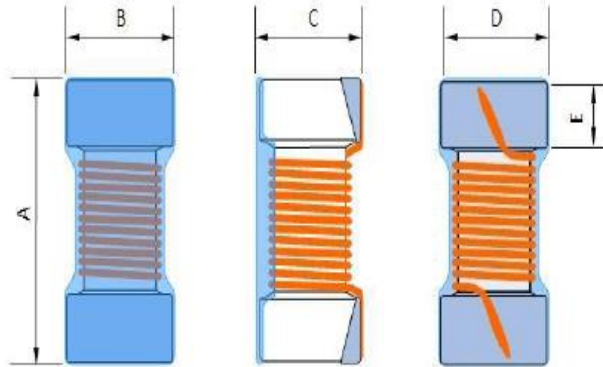
#### ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (nH)	Tolerance	Test Freq. (Hz)	SRF (GHz) Min	Irms (mA) Max	DCR (Ω) Max	Q Min
AFLF0402K-22□T	22	J,K,M	7.9M	2.5	1400	0.060	10
AFLF0402K-33N□T	33	J,K,M	7.9M	2.3	1400	0.060	10
AFLF0402K-R10□T	100	J,K,M	7.9M	1.4	900	0.160	9
AFLF0402K-R16□T	160	J,K,M	7.9M	1.2	560	0.280	11
AFLF0402K-R22□T	220	J,K,M	7.9M	1.15	380	0.530	11
AFLF0402K-R33□T	330	J,K,M	7.9M	0.82	350	0.560	11
AFLF0402K-R47□T	470	J,K,M	7.9M	0.65	310	0.730	11
AFLF0402K-R56□T	560	J,K,M	7.9M	0.6	200	0.920	11

□:J=± 5%,K=± 10%,M=±20%

### High Frequency Wirewound Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

A	1.80	Max
B	1.12	Max
C	1.02	Max
D	0.76	Typ
E	0.33	Typ

#### ELECTRICAL CHARACTERISTICS:



Parts Number	Inductance	Tolerance	Test Freq. (Hz)	SRF (MHz) Min	Irms (mA) Max	DCR ( $\Omega$ ) Max	Q Min
AFLF0603K-47N□T	47nH	K,M	7.9M	2350	1200	0.060	12
AFLF0603K-R10□T	0.1uH	K,M	7.9M	1370	1000	0.110	12
AFLF0603K-R15□T	0.15uH	J,K,M	7.9M	1260	1000	0.120	12
AFLF0603K-R22□T	0.22uH	J,K,M	7.9M	850	700	0.300	12
AFLF0603K-R39□T	0.39uH	J,K,M	7.9M	620	500	0.510	12
AFLF0603K-R47□T	0.47uH	J,K,M	7.9M	670	470	0.370	12
AFLF0603K-R56□T	0.56uH	J,K,M	7.9M	760	450	0.460	12
AFLF0603K-1R0□T	1.0uH	J,K,M	7.9M	410	280	0.940	18
AFLF0603K-1R5□T	1.5uH	J,K,M	7.9M	340	240	1.300	17
AFLF0603K-2R2□T	2.2uH	J,K,M	7.9M	180	280	1.500	12
AFLF0603K-3R3□T	3.3uH	J,K,M	7.9M	60	200	1.800	17
AFLF0603K-4R7□T	4.7uH	J,K,M	7.9M	100	200	2.700	12
AFLF0603K-6R8□T	6.8uH	J,K,M	7.9M	40	200	3.900	12
AFLF0603K-8R2□T	8.2uH	J,K,M	7.9M	40	190	3.800	12
AFLF0603K-100□T	10uH	J,K,M	2.5M	30	180	4.800	10
AFLF0603K-150□T	15uH	J,K,M	7.9M	20	90	9.500	17
AFLF0603K-220□T	22uH	J,K,M	7.9M	20	70	11.400	17

□:J=±5%,K=±10%,M=±20%

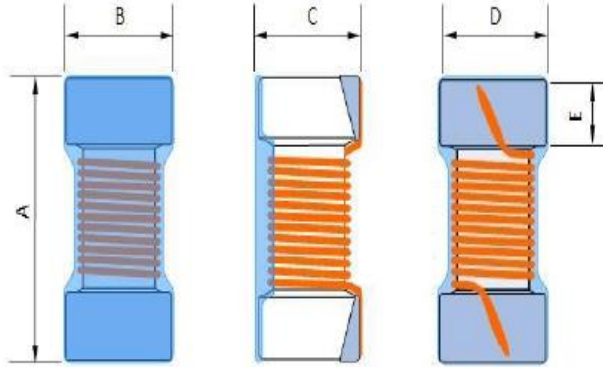


# Amode Tech. Ltd.

## AFLF0805 SERIES

### High Frequency Wirewound Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

A	2.29	Max
B	1.73	Max
C	1.55	Max
D	1.27	Typ
E	0.50	Typ

#### ELECTRICAL CHARACTERISTICS:

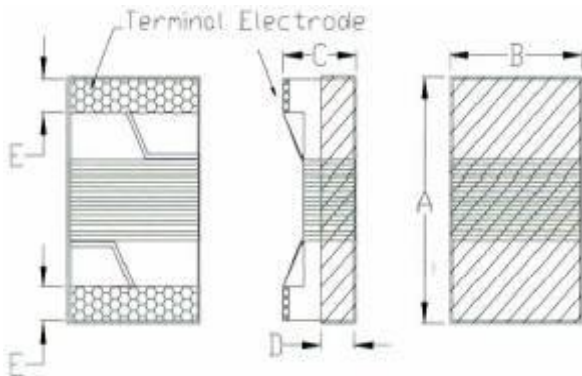


Parts Number	Inductance	Tolerance	Test Freq. (Hz)	SRF (MHz) Min	Irms (mA) Max	DCR (Ω) Max	Q Min
AFLF0805K-R22□T	0.22uH	J,K,M	7.9M	480	1100	0.150	10
AFLF0805K-R33□T	0.33uH	J,K,M	10M	500	1100	0.150	10
AFLF0805K-R47□T	0.47uH	J,K,M	7.9M	500	720	0.310	12
AFLF0805K-1R0□T	1.0uH	J,K,M	7.9M	400	800	0.410	12
AFLF0805K-1R2□T	1.2uH	J,K,M	7.9M	330	700	0.830	20
AFLF0805K-1R5□T	1.5uH	J,K,M	7.9M	300	400	1.200	10
AFLF0805K-2R2□T	2.2uH	J,K,M	7.9M	170	400	0.310	12
AFLF0805K-3R3□T	3.3uH	J,K,M	7.9M	90	300	1.800	15
AFLF0805K-4R7□T	4.7uH	J,K,M	7.9M	85	250	2.050	12
AFLF0805K-6R8□T	6.8uH	J,K,M	7.9M	55	230	2.600	12
AFLF0805K-100□T	10uH	J,K,M	2.5M	30	150	3.200	10
AFLF0805K-150□T	15uH	J,K,M	2.5M	16	100	4.200	10
AFLF0805K-220□T	22uH	J,K,M	2.5M	14	80	6.000	10
AFLF0805K-470□T	47uH	J,K,M	2.5M	14	55	13.800	10

□:J=± 5%,K=± 10%,M=±20%

### Wirewound Ferrite Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

A	1.90	Max
B	1.30	Max
C	1.20	Max
D	0.38	Ref
E	0.35	± 0.10



#### ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance	Test Freq. (Hz)	Test Freq. (MHz)	SRF (MHz) Min	Rated Current (mA)Max	DC Resistance (Ω)Max	Q Min
ASWF1608C-47N□T	47nH	0.5V/7.96M	7.96	1500	1400	0.075	10
ASWF1608C-R10□T	0.1uH	0.5V/7.96M	7.96	1150	1400	0.130	10
ASWF1608C-R12□T	0.12uH	0.5V/7.96M	7.96	1100	1400	0.150	10
ASWF1608C-R15□T	0.15uH	0.5V/7.96M	7.96	1050	1300	0.150	10
ASWF1608C-R18□T	0.18uH	0.5V/7.96M	7.96	950	1300	0.150	10
ASWF1608C-R22□T	0.22uH	0.5V/7.96M	7.96	800	950	0.150	10
ASWF1608C-R24□T	0.24uH	0.5V/7.96M	7.96	800	620	0.310	10
ASWF1608C-R27□T	0.27uH	0.5V/7.96M	7.96	775	710	0.200	10
ASWF1608C-R33□T	0.33uH	0.5V/7.96M	7.96	725	620	0.350	10
ASWF1608C-R39□T	0.39uH	0.5V/7.96M	7.96	620	600	0.390	10
ASWF1608C-R47□T	0.47uH	0.5V/7.96M	7.96	540	570	0.430	10
ASWF1608C-R56□T	0.56uH	0.5V/7.96M	7.96	525	550	0.470	10
ASWF1608C-R68□T	0.68uH	0.5V/7.96M	7.96	460	470	0.520	10
ASWF1608C-R82□T	0.82uH	0.5V/7.96M	7.96	410	400	0.690	10
ASWF1608C-1R0□T	1uH	0.5V/7.96M	7.96	190	400	0.810	10
ASWF1608C-1R2□T	1.2uH	0.5V/7.96M	7.96	160	370	0.870	10
ASWF1608C-1R5□T	1.5uH	0.5V/7.96M	7.96	100	350	0.960	10



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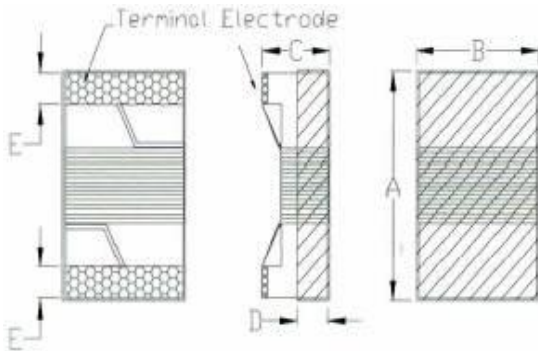
## ASWF1608 SERIES

ASWF1608C-2R2□T	2.2uH	0.5V/7.96M	7.96	68	320	1.200	10
ASWF1608C-3R3□T	3.3uH	0.5V/7.96M	7.96	42	280	1.500	10
ASWF1608C-4R7□T	4.7uH	0.5V/7.96M	7.96	34	260	2.100	10
ASWF1608C-5R6□T	5.6uH	0.5V/7.96M	7.96	32	240	2.600	10
ASWF1608C-6R8□T	6.8uH	0.5V/7.96M	7.96	31	200	3.100	10
ASWF1608C-8R2□T	8.2uH	0.5V/7.96M	7.96	26	190	4.400	10
ASWF1608C-100□T	10uH	0.5V/2.52M	2.52	25	180	4.800	10

□:K=±10%,M=±20%

### Wirewound Ferrite Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

A	2.50	Max
B	1.70	Max
C	1.40	Max
D	0.51	Ref
E	0.44	± 0.10



#### ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Test Freq. (MHz)	SRF (MHz) Min	Rated Current (mA)Max	DC Resistance (Ω)Max	Q Min
ASWF2012C-R47□T	0.47	0.5V/7.96M	7.96	720	750	0.20	10
ASWF2012C-R56□T	0.56	0.5V/7.96M	7.96	665	730	0.21	10
ASWF2012C-R68□T	0.68	0.5V/7.96M	7.96	565	670	0.28	10
ASWF2012C-R82□T	0.82	0.5V/7.96M	7.96	545	650	0.31	10
ASWF2012C-1R0□T	1	0.5V/7.96M	7.96	525	615	0.34	10
ASWF2012C-1R2□T	1.2	0.5V/7.96M	7.96	473	550	0.39	10
ASWF2012C-1R5□T	1.5	0.5V/7.96M	7.96	300	520	0.45	10
ASWF2012C-1R8□T	1.8	0.5V/7.96M	7.96	230	500	0.48	10
ASWF2012C-2R2□T	2.2	0.5V/7.96M	7.96	215	420	0.67	10
ASWF2012C-2R7□T	2.7	0.5V/7.96M	7.96	140	410	0.74	10
ASWF2012C-3R3□T	3.3	0.5V/7.96M	7.96	95	385	0.81	10
ASWF2012C-3R9□T	3.9	0.5V/7.96M	7.96	57	372	0.88	10
ASWF2012C-4R7□T	4.7	0.5V/7.96M	7.96	51	345	0.99	10
ASWF2012C-5R6□T	5.6	0.5V/7.96M	7.96	44	335	1.06	10
ASWF2012C-6R8□T	6.8	0.5V/7.96M	7.96	39	315	1.21	10
ASWF2012C-8R2□T	8.2	0.5V/7.96M	7.96	33	295	1.33	10
ASWF2012C-100□T	10	0.5V/2.52M	2.52	30	260	1.79	10
ASWF2012C-120□T	12	0.5V/2.52M	2.52	27	250	1.98	10
ASWF2012C-150□T	15	0.5V/2.52M	2.52	22	215	2.68	10
ASWF2012C-180□T	18	0.5V/2.52M	2.52	20	195	3.12	10
ASWF2012C-220□T	22	0.5V/2.52M	2.52	18	180	3.48	10
ASWF2012C-270□T	27	0.5V/2.52M	2.52	16	170	3.84	10
ASWF2012C-330□T	33	0.5V/2.52M	2.52	15	145	4.34	10

□:K=±10%,M=±20%



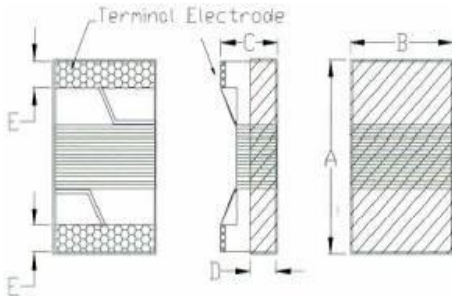


# Amode Tech. Ltd.

## ASWF2520 SERIES

### Wirewound Ferrite Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

A	3.00	Max
B	2.60	Max
C	2.10	Max
D	1.20	Ref
E	0.55	± 0.10



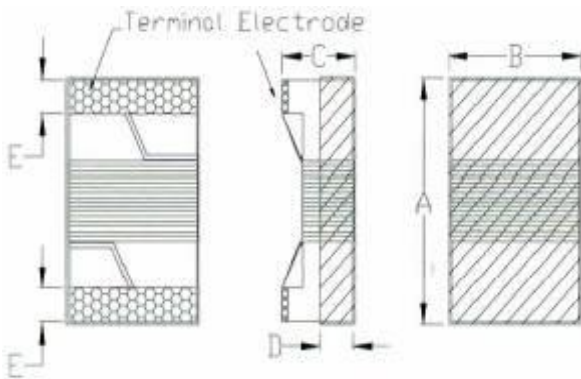
#### ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Test Freq. (MHz)	SRF (MHz) Min	Rated Current (mA)Max	DC Resistance (Ω)Max	Q Min
ASWF2520C-1R0□T	1	0.5V/7.96M	7.96	345	1000	0.13	12
ASWF2520C-1R5□T	1.5	0.5V/7.96M	7.96	100	850	0.17	12
ASWF2520C-2R2□T	2.2	0.5V/7.96M	7.96	78	775	0.21	12
ASWF2520C-3R3□T	3.3	0.5V/7.96M	7.96	48	715	0.26	12
ASWF2520C-4R7□T	4.7	0.5V/7.96M	7.96	46	505	0.52	12
ASWF2520C-6R8□T	6.8	0.5V/7.96M	7.96	33	432	0.72	12
ASWF2520C-8R2□T	8.2	0.5V/2.52M	2.52	30	410	0.76	12
ASWF2520C-100□T	10	0.5V/2.52M	2.52	28	392	0.86	12
ASWF2520C-150□T	15	0.5V/2.52M	2.52	21	342	1.09	12
ASWF2520C-220□T	22	0.5V/2.52M	2.52	18	260	1.96	12
ASWF2520C-330□T	33	0.5V/2.52M	2.52	15	236	2.47	12

□:K=±10%,M=±20%

### Wirewound Ferrite Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

A	3.70	Max
B	2.90	Max
C	2.60	Max
D	0.80	Ref
E	0.55	± 0.10



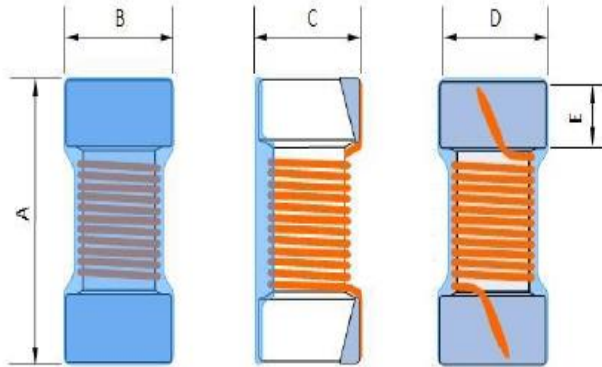
#### ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Test Freq. (MHz)	SRF (MHz) Min	Rated Current (mA)Max	DC Resistance (Ω)Max	Q Min
ASWF3225C-1R0□T	1	0.5V/7.96M	7.96	290	1200	0.12	10
ASWF3225C-1R5□T	1.5	0.5V/7.96M	7.96	260	1000	0.13	10
ASWF3225C-2R2□T	2.2	0.5V/7.96M	7.96	190	880	0.17	10
ASWF3225C-3R3□T	3.3	0.5V/7.96M	7.96	64	775	0.22	10
ASWF3225C-4R7□T	4.7	0.5V/7.96M	7.96	54	710	0.26	10
ASWF3225C-6R8□T	6.8	0.5V/7.96M	7.96	34	660	0.30	10
ASWF3225C-100□T	10	0.5V/2.52M	2.52	25	570	0.39	10
ASWF3225C-150□T	15	0.5V/2.52M	2.52	17	440	0.66	10
ASWF3225C-220□T	22	0.5V/2.52M	2.52	16	400	0.82	10
ASWF3225C-330□T	33	0.5V/2.52M	2.52	12	285	1.50	10
ASWF3225C-390□T	39	0.5V/2.52M	2.52	12	270	1.66	10
ASWF3225C-470□T	47	0.5V/2.52M	2.52	10	260	1.90	10
ASWF3225C-680□T	68	0.5V/2.52M	2.52	9	235	2.29	10
ASWF3225C-101□T	100	0.5V/1M	1	7	190	3.48	10
ASWF3225C-151□T	150	0.5V/1M	1	5	140	6.55	10
ASWF3225C-221□T	220	0.5V/1M	1	4	115	8.23	10
ASWF3225C-331□T	330	0.5V/1M	1	2.8	98	13.70	10
ASWF3225C-471□T	470	0.5V/1M	1	2.6	86	18.10	10
ASWF3225C-681□T	680	0.5V/1M	1	2.3	76	22.00	10

□:K=± 10%,M=± 20%

### High Frequency Wirewound Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

A	1.10	± 0.10
B	0.60	± 0.10
C	0.55	± 0.10
D	0.50	± 0.10
E	0.20	± 0.10



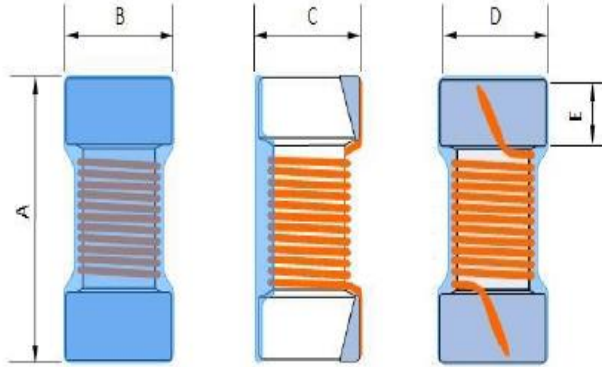
#### ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (nH)	Tolerance	Test Freq. (Hz)	SRF (GHz) Min	Irms (mA) Max	DCR (Ω) Max	Q Min
AFLC0402K-1N0□T	1	C,S,D,K	250M	>6	650	0.085	10
AFLC0402K-2N2□T	2.2	C,S,D,J,K	250M	>6	820	0.058	22
AFLC0402K-3N3□T	3.3	C,S,D,J,K	250M	>6	790	0.063	24
AFLC0402K-3N9□T	3.9	C,S,D,J,K	250M	>6	790	0.063	24
AFLC0402K-4N1□T	4.1	C,S,D,J,K	250M	>6	700	0.070	22
AFLC0402K-4N3□T	4.3	C,S,D,J,K	250M	>6	750	0.070	22
AFLC0402K-4N7□T	4.7	C,S,D,J,K	250M	>6	570	0.075	20
AFLC0402K-6N8□T	6.8	J,K	250M	6	610	0.105	24
AFLC0402K-8N7□T	8.7	J,K	250M	5.5	590	0.110	25
AFLC0402K-10N□T	10	J,K	250M	5.5	510	0.150	24
AFLC0402K-11N□T	11	J,K	250M	5.5	500	0.120	26
AFLC0402K-12N□T	4.7	J,K	250M	5.5	570	0.120	26
AFLC0402K-15N□T	15	J,K	250M	5	430	0.210	26
AFLC0402K-22N□T	22	J,K	250M	4	330	0.360	25
AFLC0402K-33N□T	33	J,K	250M	3.2	260	0.550	24
AFLC0402K-47N□T	47	J,K	250M	2.9	200	0.950	25
AFLC0402K-68N□T	68	J,K	250M	2.5	170	1.350	25

□:C=±0.2nH,S=±0.3nH,D=±0.5nH,J=±5%,K=±10%

### High Frequency Wirewound Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

A	1.80	Max
B	1.12	Max
C	1.02	Max
D	0.76	Typ
E	0.33	Typ

#### ELECTRICAL CHARACTERISTICS:

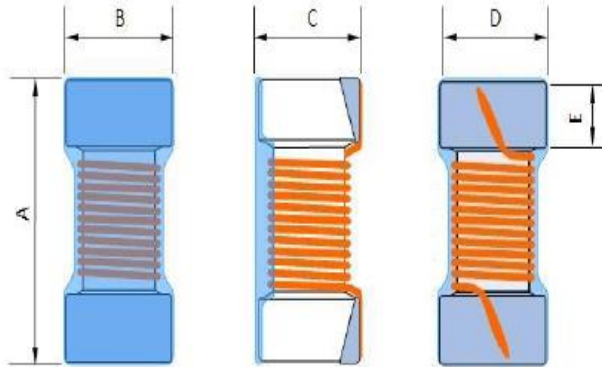


Parts Number	Inductance (nH)	Tolerance	Test Freq. (Hz)	SRF (GHz) Min	Irms (mA) Max	DCR (Ω) Max	Q Min
AFLC0603K-3N3□T	3.3	C,S,D,J,K	250M	>6	850	0.059	25
AFLC0603K-3N9□T	3.9	C,S,D,J,K	250M	>6	850	0.059	25
AFLC0603K-5N6□T	5.6	C,S,D,J,K	100M	>6	750	0.082	21
AFLC0603K-6N8□T	6.8	H,J,K	250M	>6	700	0.095	29
AFLC0603K-10N□T	10	H,J,K	250M	6	600	0.130	30
AFLC0603K-15N□T	15	H,J,K	250M	6	550	0.150	37
AFLC0603K-22N□T	22	H,J,K	250M	4.6	490	0.190	38
AFLC0603K-27N□T	27	H,J,K	250M	3.7	490	0.190	38
AFLC0603K-33N□T	33	H,J,K	250M	3.2	470	0.210	40
AFLC0603K-39N□T	39	H,J,K	250M	2.8	460	0.220	40
AFLC0603K-47N□T	47	H,J,K	200M	2.6	400	0.270	36
AFLC0603K-56N□T	56	H,J,K	200M	2.4	360	0.350	38
AFLC0603K-68N□T	68	H,J,K	200M	2.2	350	0.380	36
AFLC0603K-R10□T	100	H,J,K	150M	1.8	260	0.660	31
AFLC0603K-R15□T	150	H,J,K	150M	1.4	280	0.091	32
AFLC0603K-R18□T	180	H,J,K	100M	1.3	180	1.380	25
AFLC0603K-R22□T	220	H,J,K	100M	1.2	140	2.100	25
AFLC0603K-R27□T	270	H,J,K	100M	0.96	120	3.000	26
AFLC0603K-R47□T	470	H,J,K	100M	0.7	90	5.700	27

□:C=±0.2nH,S=±0.3nH,D=±0.5nH,H=±3%,J=±5%,K=±10%

### High Frequency Wirewound Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

A	2.29	Max
B	1.73	Max
C	1.55	Max
D	1.27	Typ
E	0.50	Typ

#### ELECTRICAL CHARACTERISTICS:



Parts Number	Inductance (nH)	Tolerance	Test Freq. (Hz)	SRF (GHz) Min	Irms (mA) Max	DCR (Ω) Max	Q Min
AFLC0805K-2N2□T	2.2	J,K	250M	>6	600	0.100	40
AFLC0805K-3N3□T	3.3	J,K	250M	>6	600	0.200	25
AFLC0805K-6N8□T	6.8	J,K	250M	5	600	0.110	40
AFLC0805K-8N2□T	8.2	J,K	250M	4.6	600	0.190	40
AFLC0805K-12N□T	12	J,K	250M	4	600	0.150	40
AFLC0805K-15N□T	15	G,J,K	250M	2.9	600	0.170	40
AFLC0805K-18N□T	18	G,J,K	250M	3.3	600	0.200	50
AFLC0805K-22N□T	22	G,J,K	250M	2	500	0.220	55
AFLC0805K-27N□T	27	G,J,K	250M	2.5	500	0.250	55
AFLC0805K-33N□T	33	G,J,K	250M	2	500	0.270	60
AFLC0805K-39N□T	39	G,J,K	250M	2	500	0.290	60
AFLC0805K-47N□T	47	G,J,K	200M	1.6	500	0.310	50
AFLC0805K-56N□T	56	G,J,K	200M	1.55	500	0.320	55
AFLC0805K-68N□T	68	G,J,K	200M	1.45	500	0.380	55
AFLC0805K-82N□T	82	G,J,K	150M	1.3	400	0.420	50
AFLC0805K-R10□T	100	G,J,K	150M	1.2	400	0.460	50
AFLC0805K-R12□T	120	G,J,K	150M	1.1	400	0.510	50
AFLC0805K-R15□T	150	G,J,K	100M	0.92	400	0.560	50
AFLC0805K-R18□T	180	G,J,K	100M	0.87	400	0.640	50



# Amode Tech. Ltd.

## AFLC0805 SERIES

AFLC0805K-R22□T	220	G,J,K	100M	0.85	400	1.100	45
AFLC0805K-R27□T	270	G,J,K	100M	0.73	350	1.000	48
AFLC0805K-R33□T	330	G,J,K	100M	0.6	310	1.400	40
AFLC0805K-R39□T	390	G,J,K	100M	0.56	290	1.500	35
AFLC0805K-R47□T	470	G,J,K	50M	0.375	250	1.720	33
AFLC0805K-R56□T	560	G,J,K	25M	0.375	230	1.900	23
AFLC0805K-R68□T	680	G,J,K	25M	0.27	190	2.050	23
AFLC0805K-2R2□T	2200	G,J,K	7.9M	0.07	100	4.600	15
AFLC0805K-3R3□T	3300	G,J,K	7.9M	0.07	50	5.400	10
AFLC0805K-4R7□T	4700	H,J,K	7.9M	0.07	30	8.200	10

□:G=±2%,H=±3%,J=±5%,K=±10%

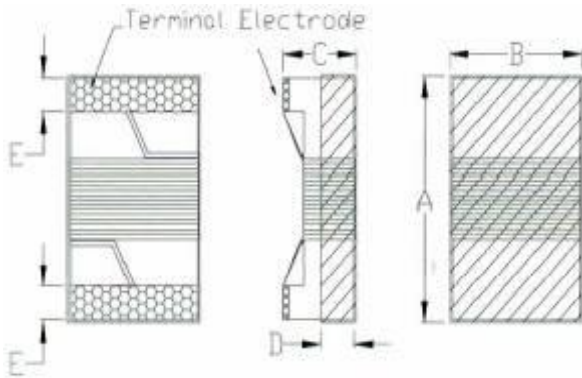


# Amode Tech. Ltd.

## ASWI0402 SERIES

### High Frequency Wirewound Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

A	1.09	± 0.2
B	0.60	± 0.2
C	0.56	± 0.2
D	0.20	± 0.15
E	0.23	± 0.1



#### ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (nH)	Tolerance	Test Freq. (Hz)	SRF (GHz) Min	Irms (mA) Max	DCR (Ω) Max	Q Min
ASWI0402F-1N0□T	1	S,J	0.1V/250M	12.7	1360	0.045	16
ASWI0402F-1N2□T	1.2	S,J	0.1V/250M	10.4	640	0.140	10
ASWI0402F-1N9□T	1.9	S,J	0.1V/250M	11.3	1040	0.070	16
ASWI0402F-2N0□T	2	S,J	0.1V/250M	11.1	1040	0.070	16
ASWI0402F-2N2□T	2.2	S,J	0.1V/250M	10.8	960	0.070	19
ASWI0402F-2N4□T	2.4	S,J	0.1V/250M	10.5	790	0.068	15
ASWI0402F-2N7□T	2.7	S,J	0.1V/250M	10.4	640	0.120	16
ASWI0402F-3N3□T	3.3	S,J	0.1V/250M	7	840	0.066	19
ASWI0402F-3N6□T	3.6	S,J	0.1V/250M	6.8	840	0.066	19
ASWI0402F-3N9□T	3.9	S,J	0.1V/250M	6	840	0.066	19
ASWI0402F-4N3□T	4.3	S,J	0.1V/250M	6	700	0.091	18
ASWI0402F-4N7□T	4.7	S,J	0.1V/250M	4.77	640	0.130	15
ASWI0402F-5N1□T	5.1	S,J	0.1V/250M	4.8	800	0.083	20
ASWI0402F-5N6□T	5.6	S,J	0.1V/250M	4.8	760	0.083	20
ASWI0402F-6N2□T	6.2	S,J	0.1V/250M	4.8	760	0.083	20
ASWI0402F-6N8□T	6.8	S,J	0.1V/250M	4.8	680	0.083	20
ASWI0402F-7N5□T	7.5	S,J	0.1V/250M	4.8	680	0.100	22
ASWI0402F-8N2□T	8.2	S,J	0.1V/250M	4.4	680	0.100	22



# Amode Tech. Ltd.

## ASWI0402 SERIES

ASWI0402F-8N7□T	8.7	S,J	0.1V/250M	4.1	480	0.200	18
ASWI0402F-9N0□T	9	S,J	0.1V/250M	4.16	680	0.100	22
ASWI0402F-9N5□T	9.5	S,J	0.1V/250M	4	480	0.200	18
ASWI0402F-10N□T	10	J,K	0.1V/250M	3.9	480	0.200	21
ASWI0402F-11N□T	11	J,K	0.1V/250M	3.68	640	0.120	24
ASWI0402F-12N□T	12	J,K	0.1V/250M	3.6	640	0.120	24
ASWI0402F-13N□T	13	J,K	0.1V/250M	3.45	440	0.210	24
ASWI0402F-15N□T	15	J,K	0.1V/250M	3.28	560	0.170	24
ASWI0402F-16N□T	16	J,K	0.1V/250M	3.1	560	0.220	24
ASWI0402F-18N□T	18	J,K	0.1V/250M	3.1	420	0.230	25
ASWI0402F-19N□T	19	J,K	0.1V/250M	3.04	480	0.200	24
ASWI0402F-20N□T	20	J,K	0.1V/250M	3	420	0.250	25
ASWI0402F-22N□T	22	J,K	0.1V/250M	2.8	400	0.300	25
ASWI0402F-23N□T	23	J,K	0.1V/250M	2.72	400	0.300	22
ASWI0402F-24N□T	24	J,K	0.1V/250M	2.7	400	0.300	25
ASWI0402F-27N□T	27	J,K	0.1V/250M	2.48	400	0.300	24
ASWI0402F-30N□T	30	J,K	0.1V/250M	2.35	400	0.350	25
ASWI0402F-33N□T	33	J,K	0.1V/250M	2.35	400	0.400	24
ASWI0402F-36N□T	36	J,K	0.1V/250M	2.32	320	0.440	24
ASWI0402F-39N□T	39	J,K	0.1V/250M	2.1	200	0.550	25
ASWI0402F-40N□T	40	J,K	0.1V/250M	2.24	320	0.440	24
ASWI0402F-43N□T	43	J,K	0.1V/250M	2.03	100	0.810	25
ASWI0402F-47N□T	47	J,K	0.1V/250M	2.1	150	0.830	20
ASWI0402F-51N□T	51	J,K	0.1V/250M	1.75	100	0.820	25
ASWI0402F-56N□T	56	J,K	0.1V/250M	1.76	100	0.970	22
ASWI0402F-68N□T	68	J,K	0.1V/250M	1.62	100	1.120	22
ASWI0402F-77N□T	77	J,K	0.1V/250M	1.26	50	1.800	22
ASWI0402F-72N□T	72	J,K	0.1V/250M	1.26	30	2.000	20
ASWI0402F-82N□T	82	J,K	0.1V/250M	1.26	50	1.550	22
ASWI0402F-R10□T	100	J,K	0.1V/250M	1.16	30	2.000	22
ASWI0402F-R12□T	120	J,K	0.1V/250M	1.16	50	2.400	22

□:S=±0.3nH,J=±5%,K=±10%,



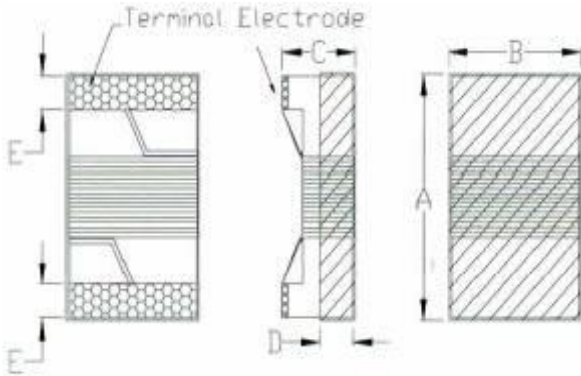


# Amode Tech. Ltd.

## ASWI0603 SERIES

### High Frequency Wirewound Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

A	1.90	Max
B	1.30	Max
C	1.20	Max
D	0.38	Ref
E	0.35	± 0.1



#### ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (nH)	Tolerance	Test Freq. (Hz)	SRF (MHz) Min	Irms (mA) Max	DCR (Ω) Max	Q @ 250MHz Min
ASWI0603F-2N0□T	2	C,S	0.1V/250M	8000	700	0.07	13
ASWI0603F-3N9□T	3.9	C,S	0.1V/250M	6900	700	0.07	22
ASWI0603F-4N7□T	4.7	C,J,K	0.1V/250M	5800	700	0.12	20
ASWI0603F-6N8□T	6.8	C,J,K	0.1V/250M	5800	700	0.08	27
ASWI0603F-8N2□T	8.2	C,J,K	0.1V/250M	4200	700	0.13	30
ASWI0603F-10N□T	10	J,K	0.1V/250M	4800	700	0.13	31
ASWI0603F-12N□T	12	J,K	0.1V/250M	4000	700	0.13	35
ASWI0603F-15N□T	15	J,K	0.1V/250M	4000	700	0.13	35
ASWI0603F-18N□T	18	J,K	0.1V/250M	3100	700	0.16	35
ASWI0603F-22N□T	22	J,K	0.1V/250M	3000	700	0.23	38
ASWI0603F-24N□T	24	J,K	0.1V/250M	2800	700	0.13	38
ASWI0603F-27N□T	27	G,J,K	0.1V/250M	2800	600	0.14	40
ASWI0603F-33N□T	33	J,K	0.1V/250M	2300	600	0.22	40
ASWI0603F-39N□T	39	J	0.1V/250M	2200	600	0.3	40
ASWI0603F-43N□T	43	G	0.1V/250M	2000	600	0.28	38
ASWI0603F-47N□T	47	J,K	0.1V/200M	2000	600	0.35	38
ASWI0603F-56N□T	56	J,K	0.1V/200M	1900	600	0.37	38
ASWI0603F-68N□T	68	J,K	0.1V/200M	1700	600	0.43	37
ASWI0603F-72N□T	72	J,K	0.1V/150M	1700	400	0.42	34
ASWI0603F-82N□T	82	J,K	0.1V/150M	1700	400	0.71	34



# Amode Tech. Ltd.

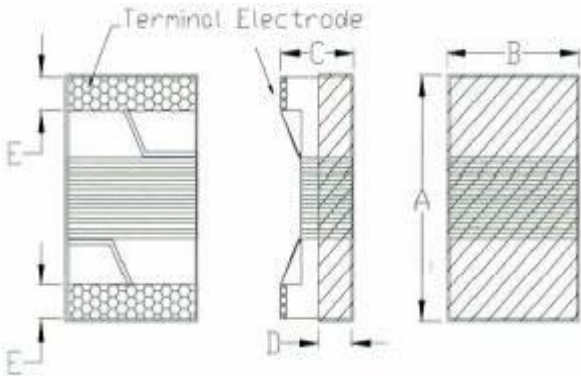
## ASWI0603 SERIES

ASWI0603F-R10□T	100	J,K	0.1V/150M	1400	400	0.78	34
ASWI0603F-R12□T	120	J,K	0.1V/150M	1300	300	0.84	32
ASWI0603F-R15□T	150	J,K	0.1V/150M	990	280	0.96	28
ASWI0603F-R18□T	180	J,K	0.1V/100M	990	240	1.52	25
ASWI0603F-R22□T	220	J,K	0.1V/100M	900	200	2.02	25
ASWI0603F-R27□T	270	J,K	0.1V/100M	900	170	2.36	24
ASWI0603F-R33□T	330	J,K	0.1V/100M	700	185	3.4	24
ASWI0603F-R39□T	390	J,K	0.1V/100M	900	100	3.6	24

□:C=±0.2nH,S=±0.3nH,G=±2%,J=±5%,K=±10%

### High Frequency Wirewound Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

A	2.39	Max
B	1.83	Max
C	1.52	Max
D	0.51	Ref
E	0.44	± 0.1



#### ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (nH)	Tolerance	Test Freq. (Hz)	SRF (MHz) Min	Irms (mA) Max	DCR (Ω) Max	Q @Test Min
ASWI0805UF-2N8□T	2.8	C,S	0.1V/250M	7900	800	0.06	80/1500
ASWI0805UF-3N0□T	3	C,S	0.1V/250M	7900	800	0.06	65/1500
ASWI0805UF-3N3□T	3.3	C,S	0.1V/250M	7900	600	0.08	50/1500
ASWI0805UF-5N6□T	5.6	C,S	0.1V/250M	5500	600	0.08	65/1000
ASWI0805UF-6N8□T	6.8	C,J	0.1V/250M	5500	600	0.11	50/1000
ASWI0805UF-7N5□T	7.5	C,J	0.1V/250M	4500	600	0.14	50/1000
ASWI0805UF-8N2□T	8.2	C,J	0.1V/250M	4700	600	0.12	50/1000
ASWI0805UF-10N□T	10	G,J	0.1V/250M	4200	600	0.10	60/500
ASWI0805UF-12N□T	12	G,J	0.1V/250M	4000	600	0.15	50/500
ASWI0805UF-15N□T	15	G,J	0.1V/250M	3400	600	0.17	50/500
ASWI0805UF-18N□T	18	G,J	0.1V/250M	3300	600	0.20	50/500
ASWI0805UF-22N□T	22	G,J	0.1V/250M	2600	500	0.22	55/500
ASWI0805UF-24N□T	24	G,J	0.1V/250M	2000	500	0.22	50/500
ASWI0805UF-27N□T	27	G,J	0.1V/250M	2500	500	0.25	55/500
ASWI0805UF-33N□T	33	G,J	0.1V/250M	2050	500	0.27	60/500
ASWI0805UF-36N□T	36	G,J	0.1V/250M	1700	500	0.27	55/500
ASWI0805UF-39N□T	39	G,J	0.1V/250M	2000	500	0.29	60/500
ASWI0805UF-43N□T	43	G,J	0.1V/200M	1650	500	0.34	60/500
ASWI0805UF-47N□T	47	G,J	0.1V/200M	1650	500	0.31	60/500
ASWI0805UF-56N□T	56	G,J	0.1V/200M	1550	500	0.34	60/500
ASWI0805UF-68N□T	68	G,J	0.1V/200M	1450	500	0.38	60/500



# Amode Tech. Ltd.

## ASWI0805 SERIES

ASWI0805UF-82N□T	82	G,J	0.1V/150M	1300	400	0.42	65/500
ASWI0805UF-91N□T	91	G,J	0.1V/150M	1200	400	0.48	65/500
ASWI0805UF-R10□T	100	G,J	0.1V/150M	1200	400	0.46	65/500
ASWI0805UF-R11□T	110	G,J	0.1V/150M	1000	400	0.48	50/250
ASWI0805UF-R12□T	120	G,J	0.1V/150M	1100	400	0.51	50/250
ASWI0805UF-R15□T	150	G,J	0.1V/100M	920	400	0.56	50/250
ASWI0805UF-R18□T	180	G,J	0.1V/100M	870	400	0.64	50/250
ASWI0805UF-R20□T	200	G,J	0.1V/100M	860	400	0.68	50/250
ASWI0805UF-R22□T	220	G,J	0.1V/100M	850	400	0.70	50/250
ASWI0805UF-R24□T	240	G,J	0.1V/100M	690	350	1.00	44/250
ASWI0805UF-R25□T	250	G,J	0.1V/100M	660	350	1.20	45/250
ASWI0805UF-R27□T	270	G,J	0.1V/100M	650	350	1.00	48/250
ASWI0805UF-R33□T	330	G,J	0.1V/100M	600	310	1.40	48/250
ASWI0805UF-R39□T	390	G,J	0.1V/100M	5600	290	1.50	48/250
ASWI0805UF-R47□T	470	G,J	0.1V/50M	375	250	1.70	33/100
ASWI0805UF-R56□T	560	G,J	0.1V/25M	340	230	1.90	23/50
ASWI0805UF-R62□T	620	G,J	0.1V/25M	220	210	2.20	23/50
ASWI0805UF-R68□T	680	G,J	0.1V/25M	188	190	2.20	23/50
ASWI0805UF-R82□T	820	G,J	0.1V/25M	215	180	2.35	23/50
ASWI0805UF-1R0□T	1000	G,J	0.1V/25M	100	170	2.50	20/50
ASWI0805UF-1R2□T	1200	G,J	0.1V/7.9M	100	170	2.50	18/25

□:C=±0.2nH,S=±0.3nH,G=±2%,J=±5%,K=±10%,

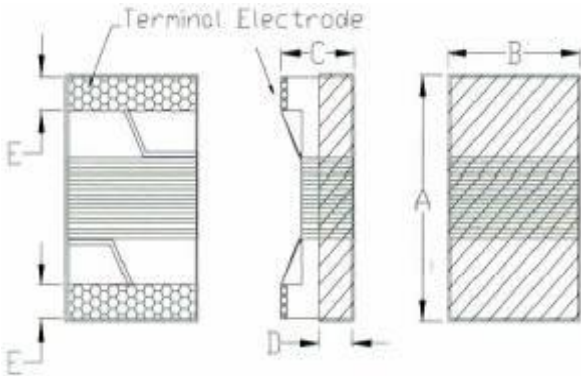


# Amode Tech. Ltd.

## ASWI1008 SERIES

### High Frequency Wirewound Chip Inductors

#### MECHANICAL DIMENSION :



#### DIMENSIONS (mm)

A	3.02	Max
B	2.89	Max
C	2.20	Max
D	1.20	Ref
E	0.55	± 0.1



#### ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (nH)	Tolerance	Test Freq. (Hz)	SRF (MHz) Min	I <sub>rms</sub> (mA) Max	DCR (Ω) Max	Q @Test Min
ASWI1008UF-10□T	10	G,J,K	0.1V/50M	4100	1000	0.08	50/500
ASWI1008UF-12N□T	12	G,J,K	0.1V/50M	3300	1000	0.09	50/500
ASWI1008UF-15N□T	15	G,J,K	0.1V/50M	2500	1000	0.18	50/500
ASWI1008UF-18N□T	18	G,J,K	0.1V/50M	2500	1000	0.11	50/350
ASWI1008UF-22N□T	22	G,J,K	0.1V/50M	2400	1000	0.12	55/350
ASWI1008UF-27N□T	27	G,J,K	0.1V/50M	1600	1000	0.13	55/350
ASWI1008UF-33N□T	33	G,J,K	0.1V/50M	1600	1000	0.14	60/350
ASWI1008UF-39N□T	39	G,J,K	0.1V/50M	1500	1000	0.15	60/350
ASWI1008UF-47N□T	47	G,J,K	0.1V/50M	1500	1000	0.16	65/350
ASWI1008UF-56N□T	56	G,J,K	0.1V/50M	1300	1000	0.18	65/350
ASWI1008UF-68N□T	68	G,J,K	0.1V/50M	1300	1000	0.20	65/350
ASWI1008UF-82N□T	82	G,J,K	0.1V/50M	1000	1000	0.22	60/350
ASWI1008UF-R10□T	100	G,J,K	0.1V/25M	1000	650	0.56	60/350
ASWI1008UF-R12□T	120	G,J,K	0.1V/25M	950	650	0.63	60/350
ASWI1008UF-R15□T	150	G,J,K	0.1V/25M	850	580	0.70	45/100
ASWI1008UF-R18□T	180	G,J,K	0.1V/25M	750	620	0.77	45/100
ASWI1008UF-R22□T	220	G,J,K	0.1V/25M	700	500	0.84	45/100
ASWI1008UF-R27□T	270	G,J,K	0.1V/25M	600	500	0.91	45/100
ASWI1008UF-R33□T	330	G,J,K	0.1V/25M	570	450	1.05	45/100
ASWI1008UF-R39□T	390	G,J,K	0.1V/25M	500	470	1.12	45/100



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## ASWI1008 SERIES

ASWI1008UF-R47□T	470	G,J,K	0.1V/25M	450	470	1.19	45/100
ASWI1008UF-R56□T	560	G,J,K	0.1V/25M	415	400	1.33	45/100
ASWI1008UF-R62□T	620	G,J,K	0.1V/25M	375	300	1.40	45/100
ASWI1008UF-R68□T	680	G,J,K	0.1V/25M	375	400	1.47	45/100
ASWI1008UF-R75□T	750	G,J,K	0.1V/25M	360	360	1.54	45/100
ASWI1008UF-R82□T	820	G,J,K	0.1V/25M	350	400	1.61	45/100
ASWI1008UF-R91□T	910	G,J,K	0.1V/25M	320	380	1.68	35/50
ASWI1008UF-1R0JT	1000	J	0.1V/25M	290	370	1.75	35/50
ASWI1008UF-1R2□T	1200	G,J,K	0.1V/7.9M	250	310	2.00	35/50
ASWI1008UF-1R5□T	1500	G,J,K	0.1V/7.9M	200	330	2.23	28/50
ASWI1008UF-1R8□T	1800	G,J,K	0.1V/7.9M	160	300	2.60	28/50
ASWI1008UF-2R2□T	2200	G,J,K	0.1V/7.9M	160	280	2.80	28/50
ASWI1008UF-2R7JT	2700	J	0.1V/7.9M	140	290	3.20	22/25
ASWI1008UF-3R3□T	3300	G,J,K	0.1V/7.9M	110	290	3.40	22/25
ASWI1008UF-3R9□T	3900	G,J,K	0.1V/7.9M	100	260	3.60	20/25
ASWI1008UF-4R7JT	4700	J	0.1V/7.9M	32	200	4.00	18/7.9
ASWI1008UF-5R6□T	5600	G,J,K	0.1V/7.9M	45	240	4.00	18/7.9
ASWI1008UF-6R8□T	6800	G,J,K	0.1V/7.9M	40	200	4.90	18/7.9
ASWI1008UF-8R2□T	8200	G,J,K	0.1V/7.9M	25	170	6.00	18/7.9
ASWI1008UF-100□T	10000	G,J,K	0.1V/2.52M	25	150	8.00	18/7.9

□:C=±0.2nH,S=±0.3nH,G=±2%,J=±5%,K=±10%,