

**Features:**

- Wirewound on ferrite core design
- Shows high reliability under mechanical and environmental stress
- Robust termination for outstanding mechanical strength
- Exceptional Q values for small package sizes
- High current option available
- 100% RoHS compliant and lead free without exemption
- Halogen free
- REACH compliant
- Contact Stackpole for additional inductance values



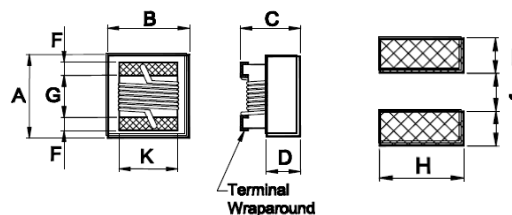
**Applications:**

- Micro televisions
- Liquid crystal televisions
- Video Cameras
- Car Radios
- Radio and other electronic devices

**Inductance and Current Ranges**

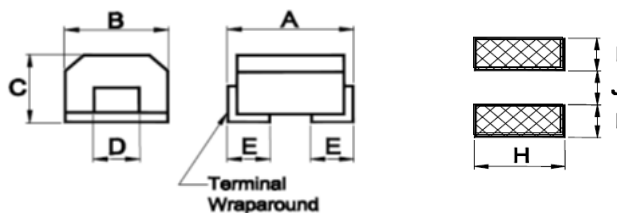
Type	Inductance (µH)	Current Range (mA)
LWF0603	1 ~ 33	860 ~ 120
LWF0603...-HC	0.047 ~ 10	1800 ~ 400
LWF0805	0.11 ~ 39	2000 ~ 100
LWF0805...-HC	0.47 ~ 100	1400 ~ 100
LWF0805...-LP	1 ~ 22	450 ~ 250
LWF1008	0.12 ~ 100	1000 ~ 120
LWF1008...-HC	0.1 ~ 330	3200 ~ 110
LWF1210	0.18 ~ 150	450 ~ 65
LWF1210...-HC	1 ~ 100	770 ~ 75
LWF1812	0.18 ~ 820	1050 ~ 30
LWF1812...-HC	1 ~ 820	1050 ~ 60
LWF2220	1.2 ~ 10	75 ~ 25
LWF2220...-HC	1 ~ 1000	1800 ~ 85

**Mechanical Specifications – 0603(HC), 0805(LP), 1008(HC)**



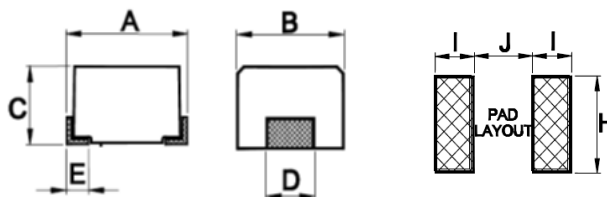
Type/Code	Weight (g) (1000 pc)	A	B	C	D	F	G	H	I	J	K	Unit
LWF0603	9.6	0.071 max 1.80 max	0.047 max 1.20 max	0.039 max 1.00 max	0.018 0.45	0.013 0.33	0.037 0.95	0.040 1.02	0.025 0.64	0.025 0.64	0.041 1.05	inches mm
LWF0603...-HC	9.6	0.071 max 1.80 max	0.047 max 1.20 max	0.043 max 1.10 max	0.018 0.45	0.013 0.33	0.037 0.95	0.040 1.02	0.025 0.64	0.025 0.64	0.041 1.05	inches mm
LWF0805	14	0.094 max 2.40 max	0.067 max 1.71 max	0.057 max 1.45 max	0.026 0.65	0.017 0.44	0.040 1.02	0.070 1.78	0.040 1.02	0.030 0.76	0.050 1.27	inches mm
LWF0805...-LP	14	0.090 max 2.29 max	0.068 max 1.73 max	0.039 max 1.00 max	0.020 0.51	0.017 0.44	0.040 1.02	0.070 1.78	0.040 1.02	0.030 0.76	0.050 1.27	inches mm
LWF1008	30	0.115 max 2.92 max	0.110 max 2.79 max	0.083 max 2.10 max	0.047 1.20	0.018 0.45	0.060 1.52	0.100 2.54	0.040 1.02	0.050 1.27	0.080 2.03	inches mm
LWF1008...-HC	30	0.115 max 2.92 max	0.110 max 2.79 max	0.083 max 2.10 max	0.051 1.30	0.018 0.45	0.060 1.52	0.100 2.54	0.040 1.02	0.050 1.27	0.080 2.03	inches mm

**Mechanical Specifications – 1210(HC), 1812(HC), 2220**



Type/Code	Weight (g) (1000 pc)	A	B	C	D	E	H	I	J	Unit
LWF1210	40	0.126 ± 0.016 3.20 ± 0.40	0.098 ± 0.008 2.50 ± 0.20	0.087 ± 0.008 2.20 ± 0.20	0.039 ± 0.008 1.00 ± 0.20	0.024 ± 0.012 0.60 ± 0.30	0.055 1.40	0.039 1.00	0.071 1.80	inches mm
LWF1210...-HC	40	0.126 ± 0.016 3.20 ± 0.40	0.098 ± 0.008 2.50 ± 0.20	0.087 ± 0.008 2.20 ± 0.20	0.157 ± 0.008 1.00 ± 0.20	0.024 ± 0.012 0.60 ± 0.30	0.055 1.40	0.039 1.00	0.071 1.80	inches mm
LWF1812	160	0.177 ± 0.012 4.50 ± 0.30	0.126 ± 0.008 3.20 ± 0.20	0.126 ± 0.008 3.20 ± 0.20	0.047 1.20	0.039 ± 0.012 1.00 ± 0.30	0.063 1.60	0.059 1.50	0.087 2.20	inches mm
LWF1812...-HC	160	0.177 ± 0.012 4.50 ± 0.30	0.126 ± 0.008 3.20 ± 0.20	0.126 ± 0.008 3.20 ± 0.20	0.047 1.20	0.039 ± 0.012 1.00 ± 0.30	0.063 1.60	0.059 1.50	0.087 2.20	inches mm

**Mechanical Specifications – LWF2220(HC)**



Type/Code	Weight (g) (1000 pc)	A	B	C	D	E	H	I	J	Unit
LWF2220	300	0.220 ± 0.012 5.60 ± 0.30	0.197 ± 0.008 5.00 ± 0.20	0.157 ± 0.012 4.00 ± 0.30	0.157 ± 0.008 4.00 ± 0.20	0.028 ± 0.008 0.70 ± 0.20	0.177 4.50	0.079 2.00	0.157 4.00	inches mm
LWF2220...-HC	300	0.220 ± 0.012 5.60 ± 0.30	0.197 ± 0.008 5.00 ± 0.20	0.157 ± 0.012 4.00 ± 0.30	0.157 ± 0.008 4.00 ± 0.20	0.028 ± 0.008 0.70 ± 0.20	0.177 4.50	0.079 2.00	0.157 4.00	inches mm

**Electrical Specifications – LWF0603 Standard**

Part Number	Inductance (μH)	Tolerance	Q typ.	Test Freq (MHz)	SRF (MHz) typ.	DCR (Ω) max.	IDC (mA) max.
LWF0603_T1R0	1	±10, ±20%	16	7.96	390	0.416	860
LWF0603_T1R5	1.5	±10, ±20%	16	7.96	160	0.52	720
LWF0603_T1R8	1.8	±10, ±20%	16	7.96	121	0.559	640
LWF0603_T2R2	2.2	±10, ±20%	16	7.96	103	0.728	600
LWF0603_T2R7	2.7	±10, ±20%	16	7.96	72	0.806	540
LWF0603_T3R3	3.3	±10, ±20%	16	7.96	66	0.91	500
LWF0603_T3R9	3.9	±10, ±20%	16	7.96	61	1.079	460
LWF0603_T4R7	4.7	±10, ±20%	16	7.96	51	1.261	400
LWF0603_T5R6	5.6	±10, ±20%	16	7.96	47	1.43	380
LWF0603_T6R8	6.8	±10, ±20%	16	7.96	43	1.95	340
LWF0603_T8R2	8.2	±10, ±20%	16	7.96	40	2.184	300
LWF0603_T100	10	±10, ±20%	14	2.52	36	2.405	280
LWF0603_T120	12	±10, ±20%	14	2.52	32	2.964	260
LWF0603_T150	15	±10, ±20%	14	2.52	29	3.38	240
LWF0603_T180	18	±10, ±20%	14	2.52	28	3.77	220
LWF0603_T220	22	±10, ±20%	14	2.52	24	4.693	200
LWF0603_T270	27	±10, ±20%	14	2.52	20	6.76	140
LWF0603_T330	33	±10, ±20%	14	2.52	15	8.58	120

**Electrical Specifications – LWF0805 Standard**

Part Number	Inductance (μH)	Tolerance	Q min.	Test Freq (MHz)	SRF (MHz) min.	DCR (Ω) max.	IDC (mA) max.
LWF0805KTR11	0.11	±10%	25	25.20	1200	0.05	2000
LWF0805 TR12	0.12	±5, ±10%	20	25.20	700	0.18	1100
LWF0805 TR15	0.15	±5, ±10%	20	25.20	900	0.18	1100
LWF0805 TR18	0.18	±5, ±10%	20	25.20	600	0.2	800
LWF0805 TR22	0.22	±5, ±10%	20	25.20	550	0.25	700
LWF0805 TR27	0.27	±5, ±10%	20	25.20	550	0.38	700
LWF0805 TR33	0.33	±5, ±10%	20	25.20	550	0.35	650
LWF0805 TR39	0.39	±5, ±10%	20	25.20	420	0.35	600
LWF0805 TR47	0.47	±5, ±10%	20	25.20	350	0.45	600
LWF0805 TR56	0.56	±5, ±10%	20	25.20	300	0.45	550
LWF0805 TR62	0.62	±5, ±10%	30	25.20	640	0.45	980
LWF0805 TR68	0.68	±5, ±10%	20	25.20	300	0.6	500
LWF0805 TR82	0.82	±5, ±10%	20	25.20	300	0.55	500
LWF0805 TR91	0.91	±5, ±10%	30	25.20	500	0.55	900
LWF0805 T1R0	1	±5, ±10%	15	7.96	280	0.8	450
LWF0805 T1R2	1.2	±5, ±10%	15	7.96	280	0.9	400
LWF0805 T1R5	1.5	±5, ±10%	15	7.96	250	1.05	350
LWF0805 T1R8	1.8	±5, ±10%	15	7.96	120	1	350
LWF0805 T2R2	2.2	±5, ±10%	15	7.96	110	1.1	320
LWF0805 T2R7	2.7	±5, ±10%	15	7.96	70	1.2	320
LWF0805 T3R3	3.3	±5, ±10%	15	7.96	60	1.5	300
LWF0805 T3R9	3.9	±5, ±10%	15	7.96	55	1.75	300
LWF0805 T4R7	4.7	±5, ±10%	15	7.96	45	2.1	200
LWF0805 T5R6	5.6	±5, ±10%	15	7.96	40	2.3	250
LWF0805 T6R8	6.8	±5, ±10%	15	7.96	36	2.7	200
LWF0805 T8R2	8.2	±5, ±10%	15	7.96	33	3.3	180
LWF0805 T100	10	±5, ±10%	10	2.52	30	4.5	180
LWF0805 T120	12	±5, ±10%	16	2.52	37	2.8	220
LWF0805 T150	15	±5, ±10%	16	2.52	30	3.8	200
LWF0805 T180	18	±5, ±10%	16	2.52	23	4.48	180
LWF0805 T220	22	±5, ±10%	16	2.52	20	6.3	160
LWF0805 T270	27	±5, ±10%	16	2.52	19	6.85	140
LWF0805 T330	33	±5, ±10%	16	2.52	18	7.6	120
LWF0805 T390	39	±5, ±10%	15	2.52	16	8.2	100

**Electrical Specifications – LWF1008 Standard**

Part Number	Inductance (μH)	Tolerance	Q min.	Test Freq (MHz)	SRF (MHz) Typical	DCR (Ω) Max	IDC (mA) Max
LWF1008 TR12	0.12	±5, ±10%	26	25.2	800	0.3	1000
LWF1008 TR18	0.18	±5, ±10%	30	25.2	600	0.3	960
LWF1008 TR20	0.2	±5, ±10%	30	25.2	735	0.3	960
LWF1008 TR22	0.22	±5, ±10%	27	25.2	600	0.4	880
LWF1008 TR27	0.27	±5, ±10%	29	25.2	425	0.42	900
LWF1008 TR33	0.33	±5, ±10%	30	25.2	400	0.42	900
LWF1008 TR39	0.39	±5, ±10%	30	25.2	375	0.45	700
LWF1008 TR47	0.47	±5, ±10%	30	25.2	350	0.5	900
LWF1008 TR56	0.56	±5, ±10%	30	25.2	325	0.55	850
LWF1008 TR62	0.62	±5, ±10%	30	25.2	460	0.55	900
LWF1008 TR68	0.68	±5, ±10%	30	25.2	300	0.55	800
LWF1008 TR75	0.75	±5, ±10%	30	25.2	420	0.65	880
LWF1008 TR82	0.82	±5, ±10%	30	25.2	260	0.65	700
LWF1008 TR91	0.91	±5, ±10%	30	25.2	400	0.65	840
LWF1008 T1R0	1.0	±5, ±10%	25	7.96	245	0.6	600
LWF1008 T1R2	1.2	±5, ±10%	25	7.96	230	0.74	600
LWF1008 T1R5	1.5	±5, ±10%	25	7.96	182	0.85	550
LWF1008 T1R8	1.8	±5, ±10%	25	7.96	135	0.92	500
LWF1008 T2R2	2.2	±5, ±10%	25	7.96	105	1.1	500
LWF1008 T2R7	2.7	±5, ±10%	25	7.96	70	1.22	350

**Electrical Specifications – LWF1008 Standard (cont.)**

Part Number	Inductance (μH)	Tolerance	Q min.	Test Freq (MHz)	SRF (MHz) Typical	DCR (Ω) Max	IDC (mA) Max
LWF1008 T3R3	3.3	±5, ±10%	25	7.96	55	1.37	350
LWF1008 T3R9	3.9	±5, ±10%	25	7.96	48	1.66	310
LWF1008 T4R7	4.7	±5, ±10%	25	7.96	43	1.68	300
LWF1008 T5R6	5.6	±5, ±10%	25	7.96	42	1.75	300
LWF1008 T6R8	6.8	±5, ±10%	25	7.96	39	1.85	300
LWF1008 T8R2	8.2	±5, ±10%	25	7.96	36	2	250
LWF1008 T100	10	±5, ±10%	20	2.52	33	2.32	250
LWF1008 T120	12	±5, ±10%	15	2.52	28	2.99	200
LWF1008 T150	15	±5, ±10%	15	2.52	24	3.42	200
LWF1008 T180	18	±5, ±10%	15	2.52	20	4.65	180
LWF1008 T220	22	±5, ±10%	15	2.52	18	5.12	180
LWF1008 T270	27	±5, ±10%	15	2.52	17	5.76	160
LWF1008 T330	33	±5, ±10%	15	2.52	16	6.44	120
LWF1008 T390	39	±5, ±10%	15	2.52	15	6.85	120
LWF1008 T470	47	±5, ±10%	14	2.52	13	9.94	110
LWF1008 T560	56	±5, ±10%	14	2.52	10	10.7	90
LWF1008 T680	68	±5, ±10%	14	2.52	8	12.8	90
LWF1008 T820	82	±5, ±10%	14	2.52	8	18.3	80
LWF1008 T101	100	±5, ±10%	8	1	7	19.6	120

**Electrical Specifications – LWF1210 Standard**

Part Number	Inductance (μH)	Tolerance	Q min.	Test Freq (MHz)	SRF (MHz) min.	DCR (Ω) max.	IDC (mA) max.
LWF1210MTR18	0.18	±20%	30	25.2	400	0.28	450
LWF1210MTR22	0.22	±20%	30	25.2	350	0.32	450
LWF1210MTR27	0.27	±20%	30	25.2	320	0.36	450
LWF1210MTR33	0.33	±20%	30	25.2	300	0.4	450
LWF1210MTR39	0.39	±20%	30	25.2	250	0.45	450
LWF1210MTR47	0.47	±20%	30	25.2	220	0.5	450
LWF1210MTR56	0.56	±20%	30	25.2	180	0.55	450
LWF1210MTR68	0.68	±20%	30	25.2	160	0.6	450
LWF1210MTR82	0.82	±20%	30	25.2	140	0.65	450
LWF1210KT1R0	1	±10%	30	7.96	120	0.7	400
LWF1210KT1R2	1.2	±10%	30	7.96	100	0.75	390
LWF1210KT1R5	1.5	±10%	30	7.96	85	0.85	370
LWF1210KT1R8	1.8	±10%	30	7.96	80	0.9	350
LWF1210KT2R2	2.2	±10%	30	7.96	75	1	320
LWF1210KT2R7	2.7	±10%	30	7.96	70	1.1	290
LWF1210KT3R3	3.3	±10%	30	7.96	60	1.2	260
LWF1210KT3R9	3.9	±10%	30	7.96	55	1.3	250
LWF1210KT4R7	4.7	±10%	30	7.96	50	1.5	220
LWF1210KT5R6	5.6	±10%	30	7.96	45	1.6	200
LWF1210KT6R8	6.8	±10%	30	7.96	40	1.8	180
LWF1210KT8R2	8.2	±10%	30	7.96	35	2	170
LWF1210KT100	10	±10%	30	2.52	30	2.1	150
LWF1210KT120	12	±10%	30	2.52	20	2.5	140
LWF1210KT150	15	±10%	30	2.52	20	2.8	130
LWF1210KT180	18	±10%	30	2.52	20	3.3	120
LWF1210KT220	22	±10%	30	2.52	20	3.7	110
LWF1210KT270	27	±10%	30	2.52	20	5	80
LWF1210KT330	33	±10%	30	2.52	17	5.6	70
LWF1210KT390	39	±10%	30	2.52	16	6.4	65
LWF1210KT470	47	±10%	30	2.52	15	7	60
LWF1210KT560	56	±10%	30	2.52	13	8	55
LWF1210KT680	68	±10%	30	2.52	12	9	50
LWF1210KT820	82	±10%	30	2.52	11	10	45
LWF1210KT101	100	±10%	20	0.796	10	10	40
LWF1210KT121	120	±10%	20	0.796	10	11	70
LWF1210KT151	150	±10%	20	0.796	8	15	65

**Electrical Specifications – LWF1812 Standard**

Part Number	Inductance (μH)	Tolerance	Q min.	Test Freq (MHz)	SRF (MHz) min.	DCR (Ω) max.	IDC (mA) max.
LWF1812MTR18	0.18	±20%	30	25.2	220	0.24	700
LWF1812MTR22	0.22	±20%	30	25.2	200	0.25	665
LWF1812MTR27	0.27	±20%	30	25.2	180	0.26	635
LWF1812MTR33	0.33	±20%	30	25.2	165	0.28	605
LWF1812MTR39	0.39	±20%	30	25.2	150	0.3	575
LWF1812MTR47	0.47	±20%	30	25.2	145	0.32	545
LWF1812MTR56	0.56	±20%	30	25.2	140	0.36	520
LWF1812MTR68	0.68	±20%	30	25.2	135	0.4	500
LWF1812MTR82	0.82	±20%	30	25.2	130	0.45	475
LWF1812KT1R0	1	±10%	50	7.96	100	0.5	450
LWF1812KT1R2	1.2	±10%	50	7.96	80	0.55	430
LWF1812KT1R5	1.5	±10%	50	7.96	70	0.6	410
LWF1812KT1R8	1.8	±10%	50	7.96	60	0.65	390
LWF1812KT2R2	2.2	±10%	50	7.96	55	0.7	380
LWF1812KT2R7	2.7	±10%	50	7.96	50	0.75	370
LWF1812KT3R3	3.3	±10%	50	7.96	45	0.8	355
LWF1812KT3R9	3.9	±10%	50	7.96	40	0.9	330
LWF1812KT4R7	4.7	±10%	50	7.96	35	1	315
LWF1812KT5R6	5.6	±10%	50	7.96	33	1.1	300
LWF1812KT6R8	6.8	±10%	50	7.96	27	1.2	285
LWF1812KT8R2	8.2	±10%	50	7.96	25	1.4	270
LWF1812KT100	10	±10%	50	2.52	20	1.6	250
LWF1812KT120	12	±10%	50	2.52	18	2	225
LWF1812KT150	15	±10%	50	2.52	17	2.5	200
LWF1812KT180	18	±10%	50	2.52	15	2.8	190
LWF1812KT220	22	±10%	50	2.52	13	3.2	180
LWF1812KT270	27	±10%	50	2.52	12	3.6	170
LWF1812KT330	33	±10%	50	2.52	11	4	160
LWF1812KT390	39	±10%	50	2.52	10	4.5	150
LWF1812KT470	47	±10%	50	2.52	10	5	140
LWF1812KT560	56	±10%	50	2.52	9	5.5	135
LWF1812KT680	68	±10%	50	2.52	9	6	130
LWF1812KT820	82	±10%	50	2.52	8	7	120
LWF1812KT101	100	±10%	40	0.796	8	8	110
LWF1812KT121	120	±10%	40	0.796	6	8	110
LWF1812KT151	150	±10%	40	0.796	5	9	105
LWF1812KT181	180	±10%	40	0.796	5	9.5	102
LWF1812KT221	220	±10%	40	0.796	4	10	100
LWF1812KT271	270	±10%	30	0.796	4	15	92
LWF1812KT331	330	±10%	30	0.796	3.5	15	85
LWF1812KT391	390	±10%	30	0.796	3	18	80
LWF1812KT471	470	±10%	30	0.796	3	26	62
LWF1812KT561	560	±10%	30	0.796	3	30	50
LWF1812KT681	680	±10%	30	0.796	3	30	50
LWF1812KT821	820	±10%	30	0.796	2.5	43	30

**Electrical Specifications – LWF2220 Standard**

Part Number	Inductance (mH)	Tolerance	Q min.	Test Freq (MHz)	SRF (MHz) min.	DCR (Ω) max.	IDC (mA) max.
LWF2220 T122	1.2	±5, ±10%	20	0.252	1.5	17	75
LWF2220 T152	1.5	±5, ±10%	20	0.252	1.4	20	70
LWF2220 T182	1.8	±5, ±10%	20	0.252	1.3	30	60
LWF2220 T222	2.2	±5, ±10%	20	0.252	1.2	35	55
LWF2220 T272	2.7	±5, ±10%	20	0.252	1.1	55	45
LWF2220 T332	3.3	±5, ±10%	20	0.252	1.0	60	40
LWF2220 T392	3.9	±5, ±10%	20	0.252	1.0	70	38
LWF2220 T472	4.7	±5, ±10%	20	0.252	0.9	78	36

**Electrical Specifications – LWF2220 Standard (cont.)**

Part Number	Inductance (mH)	Tolerance	Q min.	Test Freq (MHz)	SRF (MHz) min.	DCR (Ω) max.	IDC (mA) max.
LWF2220 T562	5.6	±5, ±10%	20	0.252	0.8	85	33
LWF2220 T682	6.8	±5, ±10%	20	0.252	0.7	110	30
LWF2220 T822	8.2	±5, ±10%	20	0.252	0.6	125	28
LWF2220 T103	10	±5, ±10%	15	0.0796	0.5	150	25

**Electrical Specifications – LWF0603 High Current**

Part Number	Inductance (μH)	Tolerance	Q min.	Test Freq (MHz)	SRF (MHz) min.	DCR (Ω) max.	IDC (mA) max.
LWF0603KT47N-HC	0.047	±10%	12	7.96	2000	0.075	1800
LWF0603KT51N-HC	0.051	±10%	12	7.96	1500	0.075	1800
LWF0603KT68N-HC	0.068	±10%	12	7.96	1500	0.12	1800
LWF0603KT72N-HC	0.072	±10%	12	7.96	1500	0.12	1800
LWF0603 TR10-HC	0.1	±5, ±10%	12	7.96	1150	0.13	1700
LWF0603 TR12-HC	0.12	±5, ±10%	12	7.96	1100	0.15	1700
LWF0603 TR15-HC	0.15	±5, ±10%	15	7.96	1050	0.15	1600
LWF0603 TR18-HC	0.18	±5, ±10%	15	7.96	950	0.15	1500
LWF0603 TR22-HC	0.22	±5, ±10%	15	7.96	900	0.3	1200
LWF0603 TR24-HC	0.24	±5, ±10%	15	7.96	850	0.16	1460
LWF0603 TR27-HC	0.27	±5, ±10%	15	7.96	835	0.3	1460
LWF0603 TR33-HC	0.33	±5, ±10%	15	7.96	725	0.4	1420
LWF0603 TR39-HC	0.39	±5, ±10%	15	7.96	680	0.41	1400
LWF0603 TR47-HC	0.47	±5, ±10%	15	7.96	640	0.43	1400
LWF0603 TR56-HC	0.56	±5, ±10%	15	7.96	630	0.44	1400
LWF0603 TR68-HC	0.68	±5, ±10%	15	7.96	510	0.52	1340
LWF0603 TR78-HC	0.78	±5, ±10%	15	7.96	465	0.63	1300
LWF0603 TR82-HC	0.82	±5, ±10%	15	7.96	460	0.69	1200
LWF0603 T1R0-HC	1	±5, ±10%	15	7.96	320	0.81	1100
LWF0603 T1R2-HC	1.2	±5, ±10%	15	7.96	270	0.87	1000
LWF0603 T1R5-HC	1.5	±5, ±10%	15	7.96	230	0.96	920
LWF0603 T1R8-HC	1.8	±5, ±10%	15	7.96	210	1.1	900
LWF0603 T2R2-HC	2.2	±5, ±10%	15	7.96	115	1.2	740
LWF0603 T2R7-HC	2.7	±5, ±10%	15	7.96	100	1.38	700
LWF0603 T3R3-HC	3.3	±5, ±10%	15	7.96	84	1.5	680
LWF0603 T3R9-HC	3.9	±5, ±10%	15	7.96	75	1.5	600
LWF0603 T4R7-HC	4.7	±5, ±10%	15	7.96	67	2.1	580
LWF0603 T5R6-HC	5.6	±5, ±10%	15	7.96	55	2.37	540
LWF0603 T6R8-HC	6.8	±5, ±10%	15	7.96	48	3.1	500
LWF0603 T7R8-HC	7.8	±5, ±10%	15	7.96	40	3.35	460
LWF0603 T8R2-HC	8.2	±5, ±10%	15	7.96	38	3.5	440
LWF0603 T100-HC	10	±5, ±10%	15	7.96	32	4.46	400

**Electrical Specifications – LWF0805 Low Profile**

Part Number	Inductance (μH)	Tolerance	Q min.	Test Freq (MHz)	SRF (MHz) min.	DCR (Ω) max.	IDC (mA) max.
LWF0805 T1R0-LP	1	±5, ±10%	15	L:7.96 / Q:25.2	115	0.9	450
LWF0805 T3R3-LP	3.3	±5, ±10%	13	7.96	70	1.4	450
LWF0805 T4R7-LP	4.7	±5, ±10%	15	7.96	65	1.9	400
LWF0805 T6R8-LP	6.8	±5, ±10%	15	7.96	41	2.4	400
LWF0805 T100-LP	10	±5, ±10%	14	7.96	31	2.7	400
LWF0805 T150-LP	15	±5, ±10%	12	7.96	28	5	300
LWF0805 T220-LP	22	±5, ±10%	10	7.96	25	6	250

Electrical Specifications – LWF0805 High Current							
Part Number	Inductance (µH)	Tolerance	Q typ.	Test Freq (MHz)	SRF (MHz) typ.	DCR (Ω) max.	IDC (mA) max.
LWF0805 TR47-HC	0.47	±10, ±20%	14	25.2	850	0.156	1400
LWF0805 TR68-HC	0.68	±10, ±20%	14	25.2	765	0.195	1200
LWF0805 T1R0-HC	1	±10, ±20%	14	7.96	208	0.169	1100
LWF0805 T1R2-HC	1.2	±10, ±20%	14	7.96	159	0.208	960
LWF0805 T1R5-HC	1.5	±10, ±20%	14	7.96	159	0.221	920
LWF0805 T1R8-HC	1.8	±10, ±20%	14	7.96	112	0.26	860
LWF0805 T2R2-HC	2.2	±10, ±20%	13	7.96	87	0.286	740
LWF0805 T2R7-HC	2.7	±10, ±20%	13	7.96	72	0.325	680
LWF0805 T3R3-HC	3.3	±10, ±20%	12	7.96	70	0.364	620
LWF0805 T3R9-HC	3.9	±10, ±20%	14	7.96	61	0.494	580
LWF0805 T4R7-HC	4.7	±10, ±20%	14	7.96	51	0.559	520
LWF0805 T5R6-HC	5.6	±10, ±20%	12	7.96	47	0.65	480
LWF0805 T6R8-HC	6.8	±10, ±20%	14	7.96	46	0.884	420
LWF0805 T8R2-HC	8.2	±10, ±20%	13	7.96	33	0.949	400
LWF0805 T100-HC	10	±5, ±10, ±20%	14	2.52	31	1.105	360
LWF0805 T120-HC	12	±5, ±10, ±20%	14	2.52	30	1.17	340
LWF0805 T150-HC	15	±5, ±10, ±20%	15	2.52	28	1.82	300
LWF0805 T180-HC	18	±5, ±10, ±20%	15	2.52	27	2.01	280
LWF0805 T220-HC	22	±5, ±10, ±20%	15	2.52	20	2.28	240
LWF0805 T270-HC	27	±5, ±10, ±20%	15	2.52	17	2.6	220
LWF0805 T330-HC	33	±5, ±10, ±20%	15	2.52	17	3.05	200
LWF0805 T470-HC	47	±5, ±10, ±20%	14	2.52	15	4.42	160
LWF0805 T560-HC	56	±5, ±10, ±20%	14	2.52	10	5.74	150
LWF0805 T680-HC	68	±5, ±10, ±20%	14	2.52	10	5.78	140
LWF0805 T820-HC	82	±5, ±10, ±20%	14	2.52	10	9.75	100
LWF0805 T101-HC	100	±5, ±10, ±20%	10	1	9	9.75	100

Electrical Specifications – LWF1008 High Current							
Part Number	Inductance (µH)	Tolerance	Q typ.	Test Freq (MHz)	SRF (MHz) min.	DCR (Ω) max.	IDC (mA) max.
LWF1008 TR10-HC	0.1	±5, ±10%	35	25.2	1500	0.05	3200
LWF1008 TR22-HC	0.22	±5, ±10%	35	25.2	800	0.15	2600
LWF1008 TR39-HC	0.39	±5, ±10%	35	25.2	460	0.2	2100
LWF1008KTR47-HC	0.47	±10%	35	25.2	460	0.2	2400
LWF1008 TR56-HC	0.56	±5, ±10%	35	25.2	360	0.26	1800
LWF1008 TR68-HC	0.68	±5, ±10%	35	25.2	400	0.3	1700
LWF1008 TR82-HC	0.82	±5, ±10%	35	25.2	360	0.35	1400
LWF1008KT1R0-HC	1.0	±10%	22	7.96	245	0.35	800
LWF1008 T1R2-HC	1.2	±5, ±10%	25	7.96	230	0.4	550
LWF1008 T1R5-HC	1.5	±5, ±10%	25	7.96	182	0.45	550
LWF1008 T1R8-HC	1.8	±5, ±10%	25	7.96	135	0.55	550
LWF1008 T2R2-HC	2.2	±5, ±10%	22	7.96	105	0.6	500
LWF1008 T2R7-HC	2.7	±5, ±10%	25	7.96	70	0.7	500
LWF1008 T3R3-HC	3.3	±5, ±10%	22	7.96	55	0.75	450
LWF1008 T3R9-HC	3.9	±5, ±10%	25	7.96	50	0.8	450
LWF1008 T4R7-HC	4.7	±5, ±10%	22	7.96	45	0.9	400
LWF1008 T5R6-HC	5.6	±5, ±10%	22	7.96	42	1.05	400
LWF1008 T6R8-HC	6.8	±5, ±10%	22	7.96	40	1.05	400
LWF1008 T8R2-HC	8.2	±5, ±10%	22	7.96	36	1.3	350
LWF1008 T100-HC	10	±5, ±10%	20	2.52	35	1.55	300
LWF1008 T120-HC	12	±5, ±10%	20	2.52	30	2.1	280
LWF1008 T150-HC	15	±5, ±10%	20	2.52	24	2.38	250
LWF1008 T180-HC	18	±5, ±10%	20	2.52	20	2.6	200
LWF1008 T220-HC	22	±5, ±10%	20	2.52	18	2.92	200
LWF1008 T330-HC	33	±5, ±10%	20	2.52	16	4.1	180
LWF1008 T470-HC	47	±5, ±10%	23	2.52	17	7.8	350
LWF1008 T101-HC	100	±5, ±10%	13	1.00	4	13.2	200
LWF1008 T221-HC	220	±5, ±10%	13	1.00	3	26.5	140
LWF1008 T331-HC	330	±5, ±10%	13	1.00	2	32.5	110

Electrical Specifications – LWF1210 High Current							
Part NuMTber	Inductance (µH)	Tolerance	Q min.	Test Freq (MHz)	SRF (MHz) min.	DCR (Ω) max.	IDC (mA) max.
LWF1210MT1R0-HC	1	±20%	10	7.96	100	0.156	770
LWF1210MT1R5-HC	1.5	±20%	10	7.96	80	0.195	580
LWF1210MT2R2-HC	2.2	±20%	10	7.96	65	0.26	480
LWF1210MT3R3-HC	3.3	±20%	10	7.96	55	0.325	400
LWF1210MT4R7-HC	4.7	±20%	10	7.96	45	0.52	320
LWF1210MT6R8-HC	6.8	±20%	10	7.96	35	0.65	280
LWF1210KT100-HC	10	±10%	15	2.52	28	1.105	220
LWF1210KT150-HC	15	±10%	15	2.52	25	1.69	180
LWF1210KT220-HC	22	±10%	15	2.52	20	2.6	145
LWF1210KT270-HC	27	±10%	15	2.52	17	3	125
LWF1210KT330-HC	33	±10%	15	2.52	15	3.64	115
LWF1210KT470-HC	47	±10%	20	2.52	13	5.46	105
LWF1210KT680-HC	68	±10%	20	2.52	10	8.45	85
LWF1210KT820-HC	82	±10%	20	2.52	9	8.71	80
LWF1210KT101-HC	100	±10%	20	0.796	8	10.14	75

Electrical Specifications – LWF1812 High Current							
Part Number	Inductance (µH)	Tolerance	Q min.	Test Freq (MHz)	SRF (MHz) min.	DCR (Ω) max.	IDC (mA) max.
LWF1812KT1R0-HC	1	±10%	10	7.96	200	0.11	1050
LWF1812KT1R2-HC	1.2	±10%	10	7.96	160	0.12	1000
LWF1812KT1R5-HC	1.5	±10%	10	7.96	130	0.15	950
LWF1812KT1R8-HC	1.8	±10%	10	7.96	100	0.16	900
LWF1812KT2R2-HC	2.2	±10%	10	7.96	80	0.18	850
LWF1812KT2R7-HC	2.7	±10%	10	7.96	60	0.20	800
LWF1812KT3R3-HC	3.3	±10%	10	7.96	45	0.22	750
LWF1812KT3R9-HC	3.9	±10%	10	7.96	40	0.24	700
LWF1812KT4R7-HC	4.7	±10%	10	7.96	35	0.27	650
LWF1812KT5R6-HC	5.6	±10%	10	7.96	30	0.3	650
LWF1812KT6R8-HC	6.8	±10%	10	7.96	28	0.35	600
LWF1812KT8R2-HC	8.2	±10%	10	7.96	25	0.4	600
LWF1812KT100-HC	10	±10%	10	2.52	22	0.5	550
LWF1812KT120-HC	12	±10%	10	2.52	21	0.6	500
LWF1812KT150-HC	15	±10%	10	2.52	20	0.7	450
LWF1812KT180-HC	18	±10%	10	2.52	19	0.8	400
LWF1812KT220-HC	22	±10%	10	2.52	18	0.9	370
LWF1812KT270-HC	27	±10%	10	2.52	16	1.2	330
LWF1812KT330-HC	33	±10%	10	2.52	14	1.4	300
LWF1812KT390-HC	39	±10%	10	2.52	12	1.6	280
LWF1812KT470-HC	47	±10%	10	2.52	11.5	1.9	260
LWF1812KT560-HC	56	±10%	10	2.52	11	2.2	240
LWF1812KT680-HC	68	±10%	10	2.52	10	2.6	220
LWF1812KT820-HC	82	±10%	10	2.52	9	3.5	200
LWF1812KT101-HC	100	±10%	20	0.796	8	4	180
LWF1812KT121-HC	120	±10%	20	0.796	7.5	4.5	160
LWF1812KT151-HC	150	±10%	20	0.796	7	6.5	140
LWF1812KT181-HC	180	±10%	20	0.796	6.5	7.5	120
LWF1812KT221-HC	220	±10%	20	0.796	5.5	9	120
LWF1812KT271-HC	270	±10%	20	0.796	5	11	100
LWF1812KT331-HC	330	±10%	20	0.796	4	13	90
LWF1812KT391-HC	390	±10%	20	0.796	3.8	23	80
LWF1812KT471-HC	470	±10%	20	0.796	3.5	26	75
LWF1812KT561-HC	560	±10%	20	0.796	2.8	30	70
LWF1812KT681-HC	680	±10%	20	0.796	2.6	40	65
LWF1812KT821-HC	820	±10%	20	0.796	2.5	45	60



Electrical Specifications – LWF2220 High Current							
Part Number	Inductance (µH)	Tolerance	Q min.	Test Freq (MHz)	SRF (MHz) min.	DCR (Ω) max.	IDC (mA) max.
LWF2220 T1R0-HC	1	±10, ±20%	10	7.96	95	0.03	1800
LWF2220 T1R2-HC	1.2	±10, ±20%	10	7.96	70	0.035	1700
LWF2220 T1R5-HC	1.5	±10, ±20%	10	7.96	55	0.04	1600
LWF2220 T1R8-HC	1.8	±10, ±20%	10	7.96	47	0.05	1400
LWF2220 T2R2-HC	2.2	±10, ±20%	10	7.96	42	0.06	1300
LWF2220 T2R7-HC	2.7	±10, ±20%	10	7.96	37	0.07	1200
LWF2220 T3R3-HC	3.3	±10, ±20%	10	7.96	34	0.08	1120
LWF2220 T3R9-HC	3.9	±10, ±20%	10	7.96	32	0.09	1050
LWF2220 T4R7-HC	4.7	±10, ±20%	10	7.96	29	0.11	950
LWF2220 T5R6-HC	5.6	±10, ±20%	10	7.96	26	0.13	880
LWF2220 T6R8-HC	6.8	±10, ±20%	10	7.96	24	0.15	810
LWF2220 T8R2-HC	8.2	±10, ±20%	10	7.96	22	0.18	750
LWF2220 T100-HC	10	±10, ±20%	10	2.52	19	0.21	690
LWF2220 T120-HC	12	±10, ±20%	10	2.52	17	0.25	630
LWF2220 T150-HC	15	±10, ±20%	10	2.52	16	0.3	580
LWF2220 T180-HC	18	±10, ±20%	10	2.52	14	0.36	530
LWF2220 T220-HC	22	±5, ±10%	10	2.52	13	0.43	480
LWF2220 T270-HC	27	±5, ±10%	10	2.52	11.5	0.52	440
LWF2220 T330-HC	33	±5, ±10%	10	2.52	10.5	0.62	400
LWF2220 T390-HC	39	±5, ±10%	10	2.52	9.5	0.72	370
LWF2220 T470-HC	47	±5, ±10%	10	2.52	8.5	0.85	340
LWF2220 T560-HC	56	±5, ±10%	10	2.52	7.8	1.0	310
LWF2220 T680-HC	68	±5, ±10%	10	2.52	7	1.2	290
LWF2220 T820-HC	82	±5, ±10%	10	2.52	6.4	1.4	270
LWF2220 T101-HC	100	±5, ±10%	20	0.796	6	1.6	250
LWF2220 T121-HC	120	±5, ±10%	20	0.796	5.4	1.9	230
LWF2220 T151-HC	150	±5, ±10%	20	0.796	4.8	2.2	210
LWF2220 T181-HC	180	±5, ±10%	20	0.796	4.4	2.8	190
LWF2220 T221-HC	220	±5, ±10%	20	0.796	3.9	3.4	170
LWF2220 T271-HC	270	±5, ±10%	20	0.796	3.6	4.2	155
LWF2220 T331-HC	330	±5, ±10%	20	0.796	3.2	4.9	140
LWF2220 T391-HC	390	±5, ±10%	20	0.796	2.9	5.8	130
LWF2220 T471-HC	470	±5, ±10%	20	0.796	2.6	7.0	120
LWF2220 T561-HC	560	±5, ±10%	20	0.796	2.4	8.5	110
LWF2220 T681-HC	680	±5, ±10%	20	0.796	2.2	10	100
LWF2220 T821-HC	820	±5, ±10%	20	0.796	2	13	90
LWF2220 T102-HC	1000	±5, ±10%	20	0.252	1.8	15	85

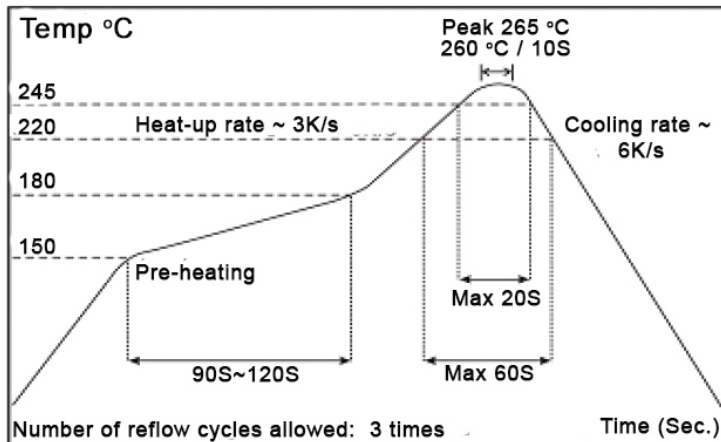
Electrical Performance Test		
Test	Test Specification	Test Condition
Inductance	Refer to Electrical Specifications tables	HP4291 or HP4284
Q		HP4291 or HP4284
SRF		HP4291
DC Resistance RDC		Agilent 34401A
Rated Current IDC		Applied the current to coils. The inductance change should be less than 10% to initial value

Mechanical Performance Test		
Test	Test Specification	Test Condition
Solderability	The electrodes shall be at least 90% covered with new solder coating	Lead-free inductor: after fluxing (alpha 100 or equivalent), inductor shall be dipped in a melted solder bath at 245±5°C, 5±0.5 seconds
Resistance to Soldering Heat	Appearance: No damage	Pre-heating: 150°C, 1 minute Solder Temperature: 260±5°C Immersion Time: 10±1 seconds
Vibration	Appearance: No damage L change: within ±10% Q change: within ±30% DCR: within specification	Test device shall be soldered on the substrate Oscillation Frequency: 10 to 55 to 10Hz for 1 minute Amplitude: 1.5 mm Time: 2 hours for each axis (X, Y and Z), total 6 hours

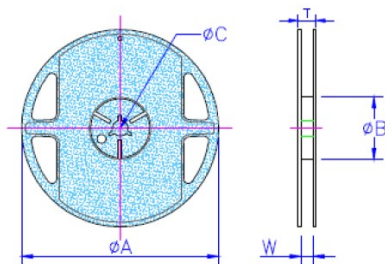
Climatic Test																	
Test	Test Specification	Test Condition															
Temperature Cycle	Appearance: No damage L change: within ± 10% Q change: within ± 30% DCR: within specification	One Cycle: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Step</th> <th>Temperature (°C)</th> <th>Time (min.)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>-25 ± 3</td> <td>30</td> </tr> <tr> <td>2</td> <td>25 ± 2</td> <td>3</td> </tr> <tr> <td>3</td> <td>85 ± 3</td> <td>30</td> </tr> <tr> <td>4</td> <td>25 ± 2</td> <td>3</td> </tr> </tbody> </table>	Step	Temperature (°C)	Time (min.)	1	-25 ± 3	30	2	25 ± 2	3	3	85 ± 3	30	4	25 ± 2	3
Step		Temperature (°C)	Time (min.)														
1		-25 ± 3	30														
2		25 ± 2	3														
3	85 ± 3	30															
4	25 ± 2	3															
Damp Heat with Load	Total: 100 cycles Measured after exposure in the room condition for 24 hours	Temperature: 40 ± 2°C Relative Humidity: 90~95% Time: 1000 hours Measured after exposure in the room condition for 24 hours															
High Temperature Storage	Temperature: 85 ± 3°C Applied current: Rated current Time: 1000 hours Measured after exposure in the room condition for 24 hours																
Low Temperature Storage	Temperature : -25 ± 3°C Time: 1000 hours Measured after exposure in the room condition for 24 hours																

Storage Temperature: 25 ± 3°C. Humidity < 80% R.H.  
Operating Temperature Range: -40 ~ +85 °C

**Reflow Chart:**

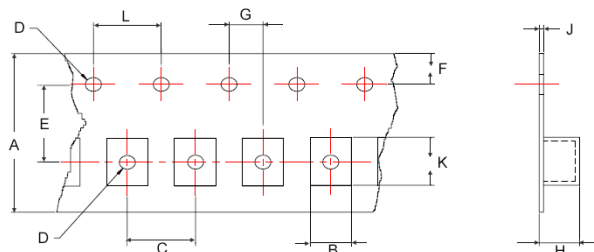


**Packaging Specifications**



Type/Code	A	B	C	W	T	Unit
LWF0603	7.008 ± 0.079	2.362 ± 0.020	0.512 ± 0.012	0.354 ± 0.012	0.472 ± 0.039	inches
	178.00 ± 2.00	60.00 ± 0.50	13.00 ± 0.30	9.00 ± 0.30	12.00 ± 1.00	mm
LWF0805	7.008 ± 0.079	2.362 ± 0.020	0.512 ± 0.012	0.354 ± 0.012	0.472 ± 0.039	inches
	178.00 ± 2.00	60.00 ± 0.50	13.00 ± 0.30	9.00 ± 0.30	12.00 ± 1.00	mm
LWF1008	7.008 ± 0.079	2.362 ± 0.020	0.512 ± 0.012	0.354 ± 0.012	0.472 ± 0.039	inches
	178.00 ± 2.00	60.00 ± 0.50	13.00 ± 0.30	9.00 ± 0.30	12.00 ± 1.00	mm
LWF1210	7.008 ± 0.079	2.362 ± 0.020	0.512 ± 0.012	0.354 ± 0.012	0.472 ± 0.039	inches
	178.00 ± 2.00	60.00 ± 0.50	13.00 ± 0.30	9.00 ± 0.30	12.00 ± 1.00	mm
LWF1812	7.008 ± 0.079	3.150 ± 0.020	0.512 ± 0.012	0.520 ± 0.012	0.630 ± 0.039	inches
	178.00 ± 2.00	80.00 ± 0.50	13.00 ± 0.30	13.20 ± 0.30	16.00 ± 1.00	mm
LWF2220	12.992 ± 0.079	3.937 ± 0.020	0.512 ± 0.012	0.685 ± 0.012	0.866 ± 0.039	inches
	330.00 ± 2.00	100.00 ± 0.50	13.00 ± 0.30	17.40 ± 0.30	22.00 ± 1.00	mm

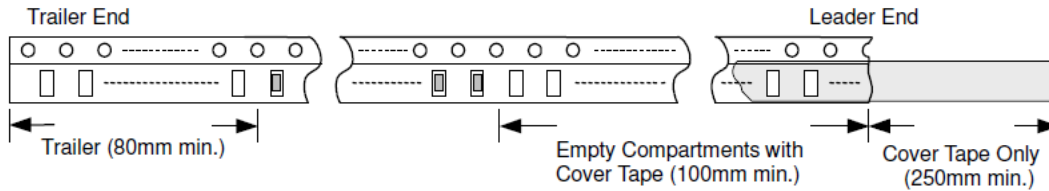
**Embossed Plastic Tape Specifications**



Type/Code	A	B	C	E	F	D	Unit
LWF0603	0.315 ± 0.008	0.049 ± 0.004	0.157 ± 0.004	0.138 ± 0.002	0.069 ± 0.004	0.059	inches
	8.00 ± 0.20	1.25 ± 0.10	4.00 ± 0.10	3.50 ± 0.05	1.75 ± 0.10	1.50	mm
LWF0805	0.315 ± 0.008	0.073 ± 0.004	0.157 ± 0.004	0.138 ± 0.002	0.069 ± 0.004	0.059	inches
	8.00 ± 0.20	1.85 ± 0.10	4.00 ± 0.10	3.50 ± 0.05	1.75 ± 0.10	1.50	mm
LWF1008	0.315 ± 0.008	0.110 ± 0.004	0.157 ± 0.004	0.138 ± 0.002	0.069 ± 0.004	0.059	inches
	8.00 ± 0.20	2.80 ± 0.10	4.00 ± 0.10	3.50 ± 0.05	1.75 ± 0.10	1.50	mm
LWF1210	0.315 ± 0.008	0.117 ± 0.004	0.157 ± 0.004	0.138 ± 0.002	0.069 ± 0.004	0.059	inches
	8.00 ± 0.20	2.96 ± 0.10	4.00 ± 0.10	3.50 ± 0.05	1.75 ± 0.10	1.50	mm
Type/Code	G	H	J	K	L	Unit	
LWF0603	0.079 ± 0.002	0.039 ± 0.002	0.009 ± 0.002	0.075 ± 0.004	0.157 ± 0.004	inches	
	2.00 ± 0.05	1.00 ± 0.05	0.23 ± 0.05	1.90 ± 0.10	4.00 ± 0.10	mm	
LWF0805	0.079 ± 0.002	0.057 ± 0.002	0.009 ± 0.002	0.100 ± 0.004	0.157 ± 0.004	inches	
	2.00 ± 0.05	1.45 ± 0.05	0.23 ± 0.05	2.55 ± 0.10	4.00 ± 0.10	mm	
LWF1008	0.079 ± 0.002	0.087 ± 0.002	0.009 ± 0.002	0.116 ± 0.004	0.157 ± 0.004	inches	
	2.00 ± 0.05	2.22 ± 0.05	0.23 ± 0.05	2.95 ± 0.10	4.00 ± 0.10	mm	
LWF1210	0.079 ± 0.002	0.094 ± 0.002	0.009 ± 0.002	0.142 ± 0.004	0.157 ± 0.004	inches	
	2.00 ± 0.05	2.40 ± 0.05	0.23 ± 0.05	3.60 ± 0.10	4.00 ± 0.10	mm	

Embossed Plastic Tape Specifications (cont.)							
Type/Code	A	B	C	E	F	D	Unit
LWF1812	0.472 ± 0.008	0.130 ± 0.004	0.315 ± 0.004	0.217 ± 0.002	0.069 ± 0.004	0.059	inches
	12.00 ± 0.20	3.30 ± 0.10	8.00 ± 0.10	5.50 ± 0.05	1.75 ± 0.10	1.50	mm
LWF2220	0.630 ± 0.008	0.211 ± 0.004	0.472 ± 0.004	0.295 ± 0.002	0.069 ± 0.004	0.059	inches
	16.00 ± 0.20	5.35 ± 0.10	12.00 ± 0.10	7.50 ± 0.05	1.75 ± 0.10	1.50	mm
Type/Code	G	H	J	K	L	Unit	
LWF1812	0.079 ± 0.002	0.138 ± 0.002	0.012 ± 0.002	0.197 ± 0.004	0.157 ± 0.004	inches	
	2.00 ± 0.05	3.50 ± 0.05	0.30 ± 0.05	5.00 ± 0.10	4.00 ± 0.10	mm	
LWF2220	0.079 ± 0.002	0.217 ± 0.002	0.014 ± 0.002	0.240 ± 0.004	0.157 ± 0.004	inches	
	2.00 ± 0.05	5.50 ± 0.05	0.35 ± 0.05	6.10 ± 0.10	4.00 ± 0.10	mm	

**Leader / Trailer Tape**



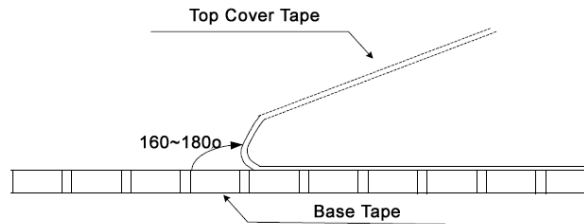
**Cover Tape Peel Strength**

The force for tearing off cover tape is 0.1~0.6(N) in the arrow direction at the following conditions:

Temperature: 5 ~ 35 °C

Humidity: 45 ~ 85%

Atmospheric pressure: 860 ~ 1060 hpa



**RoHS Compliance**

Stackpole Electronics has joined the worldwide effort to reduce the amount of lead in electronic components and to meet the various regulatory requirements now prevalent, such as the European Union’s directive regarding “Restrictions on Hazardous Substances” (RoHS 3). As part of this ongoing program, we periodically update this document with the status regarding the availability of our compliant components. All our standard part numbers are compliant to EU Directive 2011/65/EU of the European Parliament as amended by Directive (EU) 2015/863/EU as regards the list of restricted substances.

RoHS Compliance Status						
Standard Product Series	Description	Package / Termination Type	Standard Series RoHS Compliant	Lead-Free Termination Composition	Lead-Free Mfg. Effective Date (Std Product Series)	Lead-Free Effective Date Code (YY/WW)
LWF	Surface Mount Ferrite Wirewound Inductor	SMD	YES	100% Matte Sn	Aug-05	05/31

**“Conflict Metals” Commitment**

We at Stackpole Electronics, Inc. are joined with our industry in opposing the use of metals mined in the “conflict region” of the eastern Democratic Republic of the Congo (DRC) in our products. Recognizing that the supply chain for metals used in the electronics industry is very complex, we work closely with our own suppliers to verify to the extent possible that the materials and products we supply do not contain metals sourced from this conflict region. As such, we are in compliance with the requirements of Dodd-Frank Act regarding Conflict Minerals.

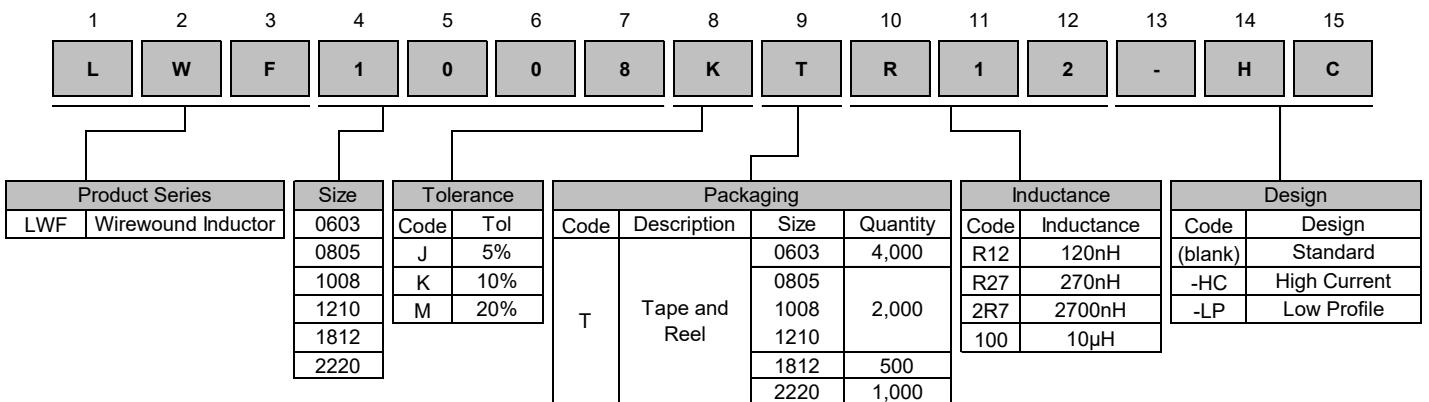
**Compliance to “REACH”**

We certify that all passive components supplied by Stackpole Electronics, Inc. are SVHC (Substances of Very High Concern) free and compliant with the requirements of EU Directive 1907/2006/EC, “The Registration, Evaluation, Authorization and Restriction of Chemicals”, otherwise referred to as REACH. Contact us for complete list of REACH Substance Candidate List.

**Environmental Policy**

It is the policy of Stackpole Electronics, Inc. (SEI) to protect the environment in all localities in which we operate. We continually strive to improve our effect on the environment. We observe all applicable laws and regulations regarding the protection of our environment and all requests related to the environment to which we have agreed. We are committed to the prevention of all forms of pollution.

**How to Order**



**Legacy Part Number:**

