

SPECIFICATIONS
0603 TYPE

Part Number	Inductance	Min. Quality Factor	L, Q Test Freq.L/Q	Min.Self-resonant Frequency	Max. DC Resistance	Max. Rated Current	Thickness
Units	μH	-	MHz	MHz	Ω	mA	mm [inch]
Symbol	L	Q	Freq.	S.R.F	DCR	I _r	T
0603L80N □TF	0.08	10	50	300	1	10	0.3±0.05 [0.012±0.002]
0603LR12 □TF	0.12	10	50	300	1.3	10	
0603LR18 □TF	0.18	10	50	300	1.5	10	
0603QR12 □TF	0.12	10	5	100	0.4	3	
0603QR15 □TF	0.15	10	5	100	0.5	3	
0603QR18 □TF	0.18	10	5	100	0.6	3	
0603QR22 □TF	0.22	10	5	100	0.7	3	
0603QR27 □TF	0.27	10	5	100	0.8	3	
0603QR33 □TF	0.33	10	5	100	0.9	3	
0603QR39 □TF	0.39	10	5	100	1.0	3	
0603QR47 □TF	0.47	10	5	100	1.2	3	
0603QR56 □TF	0.56	10	5	100	1.3	3	
0603QR68 □TF	0.68	10	5	100	1.4	3	
0603QR82 □TF	0.82	10	5	100	1.5	3	
0603Q1R0 □TF	1.0	10	5	100	1.7	3	

1005 TYPE

Part Number	Inductance	Min. Quality Factor	L, Q Test Freq.L/Q	Min.Self-resonant Frequency	Max. DC Resistance	Max. Rated Current	Thickness
Units	μH	-	MHz	MHz	Ω	mA	mm [inch]
Symbol	L	Q	Freq.	S.R.F	DCR	I _r	T
1005L47N □TF	0.047	10	50	220	0.45	25	0.5±0.15 [.020±.006]
1005L68N □TF	0.068	10	50	210	0.45	25	
1005L82N □TF	0.082	10	50	200	0.45	25	
1005LR10 □TF	0.1	10	25	200	0.8	25	
1005LR12 □TF	0.12	10	25	165	0.8	25	
1005LR15 □TF	0.15	10	25	140	0.9	25	
1005LR18 □TF	0.18	10	25	120	0.9	25	
1005LR22 □TF	0.22	10	25	110	1.2	25	
1005LR27 □TF	0.27	15	25	95	1.2	25	
1005LR33 □TF	0.33	15	25	85	1.25	18	
1005QR39 □TF	0.39	20	10	85	0.6	15	
1005QR47 □TF	0.47	20	10	80	0.7	15	
1005QR56 □TF	0.56	20	10	75	0.8	15	
1005QR68 □TF	0.68	20	10	70	0.9	15	
1005QR82 □TF	0.82	20	10	65	0.9	15	
1005P1R0 □TF	1.0	20	10	60	1.0	15	
1005P1R2 □TF	1.2	20	10	55	1.25	15	
1005P1R5 □TF	1.5	20	10	50	1.4	15	
1005P1R8 □TF	1.8	20	10	45	1.55	15	
1005P2R2 □TF	2.2	20	10	40	1.7	10	
1005Q1R0 □TF	1.0	20	10	40	0.9	15	
1005Q1R2 □TF	1.2	20	10	35	1.2	15	
1005Q1R5 □TF	1.5	20	10	30	1.2	15	
1005Q1R8 □TF	1.8	20	10	30	1.45	15	
1005Q2R2 □TF	2.2	20	10	28	1.7	10	
1005Q2R7 □TF	2.7	20	10	28	2.4	10	
1005Q3R3 □TF	3.3	20	10	28	2.7	10	

SPECIFICATIONS

1608 TYPE

Part Number	Inductance	Min. Quality Factor	L, Q Test Freq.L/Q	Min.Self-resonant Frequency	Max. DC Resistance	Max. Rated Current	Thickness
Units	μH	-	MHz	MHz	Ω	mA	mm [inch]
Symbol	L	Q	Freq.	S.R.F	DCR	I _r	T
1608L47N □TF	0.047	10	50	260	0.3	50	0.8±0.15 [.031±.006]
1608L68N □TF	0.068	10	50	250	0.3	50	
1608L82N □TF	0.082	10	50	245	0.3	50	
1608LR10 □TF	0.1	15	25	240	0.5	50	
1608LR12 □TF	0.12	15	25	205	0.5	50	
1608LR15 □TF	0.15	15	25	180	0.6	50	
1608LR18 □TF	0.18	15	25	165	0.6	50	
1608LR22 □TF	0.22	15	25	150	0.8	50	
1608LR27 □TF	0.27	15	25	136	0.8	50	
1608LR33 □TF	0.33	15	25	125	0.85	35	
1608LR39 □TF	0.39	15	25	110	1	35	
1608LR47 □TF	0.47	15	25	105	1.35	35	
1608LR56 □TF	0.56	15	25	95	1.55	35	
1608LR68 □TF	0.68	15	25	90	1.7	35	
1608LR82 □TF	0.82	15	25	85	2.1	35	
1608P1R0 □TF	1.0	35	10	90	0.6	25	
1608P1R1 □TF	1.1	35	10	90	0.6	25	
1608P1R2 □TF	1.2	35	10	85	0.8	25	
1608P1R5 □TF	1.5	35	10	80	0.8	25	
1608P1R8 □TF	1.8	35	10	75	0.95	25	
1608P2R2 □TF	2.2	35	10	70	1.15	15	
1608Q1R0 □TF	1.0	35	10	75	0.6	25	
1608Q1R1 □TF	1.1	35	10	75	0.6	25	
1608Q1R2 □TF	1.2	35	10	65	0.8	25	
1608Q1R5 □TF	1.5	35	10	60	0.8	25	
1608Q1R8 □TF	1.8	35	10	55	0.95	25	
1608Q2R2 □TF	2.2	35	10	50	1.15	15	
1608Q2R7 □TF	2.7	35	10	45	1.35	15	
1608Q3R3 □TF	3.3	35	10	40	1.55	15	
1608Q3R9 □TF	3.9	35	10	35	1.7	15	
1608Q4R7 □TF	4.7	35	10	33	2.1	15	
1608S5R6 □TF	5.6	35	4	22	1.55	5	
1608S6R8 □TF	6.8	35	4	20	1.7	5	
1608S8R2 □TF	8.2	35	4	18	2.1	5	
1608S100 □TF	10	30	2	17	1.85	3	
1608S120 □TF	12	30	2	15	2.1	3	
1608T150 □TF	15	20	1	14	1.7	1	
1608T180 □TF	18	20	1	13	1.85	1	
1608T220 □TF	22	20	1	11	2.1	1	
1608T270 □TF	27	20	1	10	2.75	1	
1608T330 □TF	33	20	1	9	2.95	1	

※□: Please specify the inductance tolerance code (K=±10%, M=±20%). The product with tolerance less than ±10%, ±20% is also available. Please contact your local sales.

SPECIFICATIONS

2012 TYPE

Part Number	Inductance	Min. Quality Factor	L, Q Test Freq.L/Q	Min.Self-resonant Frequency	Max. DC Resistance	Max. Rated Current	Thickness
Units	μH	-	MHz	MHz	Ω	mA	mm [inch]
Symbol	L	Q	Freq.	S.R.F	DCR	I _r	T
2012L47N □TF	0.047	15	50	320	0.2	300	0.85±0.2 [.033±.008]
2012L68N □TF	0.068	15	50	280	0.2	300	
2012L82N □TF	0.082	15	50	255	0.2	300	
2012LR10 □TF	0.1	20	25	235	0.3	250	
2012LR12 □TF	0.12	20	25	220	0.3	250	
2012LR15 □TF	0.15	20	25	200	0.4	250	
2012LR18 □TF	0.18	20	25	185	0.4	250	
2012LR22 □TF	0.22	20	25	170	0.5	250	
2012LR27 □TF	0.27	20	25	150	0.5	250	
2012LR33 □TF	0.33	20	25	145	0.55	250	
2012LR39 □TF	0.39	25	25	135	0.65	200	
2012LR47 □TF	0.47	25	25	125	0.65	200	
2012LR56 □TF	0.56	25	25	115	0.75	150	
2012LR68 □TF	0.68	25	25	105	0.8	150	
2012LR82 □TF	0.82	25	25	100	1	150	
2012P1R0 □TF	1.0	45	10	95	0.4	50	
2012P1R2 □TF	1.2	45	10	85	0.5	50	
2012P1R5 □TF	1.5	45	10	80	0.5	50	
2012P1R8 □TF	1.8	45	10	75	0.6	50	
2012P2R2 □TF	2.2	45	10	70	0.65	30	
2012Q1R0 □TF	1.0	45	10	75	0.4	50	
2012Q1R1 □TF	1.1	45	10	65	0.5	50	
2012Q1R2 □TF	1.2	45	10	65	0.5	50	
2012Q1R5 □TF	1.5	45	10	60	0.5	50	
2012Q1R8 □TF	1.8	45	10	55	0.6	50	
2012Q2R2 □TF	2.2	45	10	50	0.65	30	
2012Q2R4 □TF	2.4	45	10	47	0.70	30	
2012Q2R7 □TF	2.7	45	10	45	0.75	30	
2012Q3R3 □TF	3.3	45	10	41	0.8	30	
2012Q3R9 □TF	3.9	45	10	38	0.9	30	
2012Q4R7 □TF	4.7	45	10	35	1	30	
2012S5R6 □TF	5.6	50	4	32	0.9	15	
2012S6R8 □TF	6.8	50	4	29	1	15	
2012S8R2 □TF	8.2	50	4	26	1.1	15	
2012S100 □TF	10	50	2	24	1.15	15	
2012S120 □TF	12	50	2	22	1.25	15	
2012T150 □TF	15	30	1	19	0.8	5	
2012T180 □TF	18	30	1	18	0.9	5	
2012T220 □TF	22	30	1	16	1.1	5	
2012T270 □TF	27	30	1	14	1.15	5	
2012T330 □TF	33	30	1	13	1.25	5	
2012T390 □TF	39	35	2	8	2.9	4	
2012T470 □TF	47	35	2	7.5	3	4	