



Dimensions in mm.

Notes for LC0603 wirewound ceramic core inductor:  
Operating temperature range from - 40°C to + 125°C.  
Inductance tolerance: K = ± 10% across entire inductance range, tighter tolerances available by special order.  
Irms for a 15°C rise above 25°C ambient.

L / Q: Agilent / HP4291A + Agilent / HP16197A.  
SRF: Agilent / HP8753D + Agilent / HP4291A.  
DCR: CH502BC, HP4338B.  
Packaging: Tape and reel only.  
Manufactured to RoHS compliance.

Part Number	Inductance [nH, ± 10%]	Test Freq. [MHz]	Q Min.	SRF Min. [MHz]	DC Resistance Max. [δ]	Irms Max. [mA]	900 MHz		1.7 GHz		Marking Color
							L Typ.	Q Typ.	L Typ.	Q Typ.	
LC0603-1N6K	1.6	250	24	12500	0.030	700	1.60	49	1.58	63	Red
LC0603-1N8K	1.8	250	16	12500	0.045	700	1.60	35	1.66	50	Black
LC0603-3N6K	3.6	250	22	5900	0.063	700	3.70	53	3.71	65	Red
LC0603-3N9K	3.9	250	22	6900	0.080	700	3.95	49	3.96	67	Brown
LC0603-4N3K	4.3	250	22	5900	0.063	700	4.32	50	4.33	70	Orange
LC0603-4N7K	4.7	250	20	5800	0.116	700	4.72	47	4.75	57	Violet
LC0603-5N1K	5.1	250	20	5700	0.140	700	4.93	47	4.95	56	Green
LC0603-6N3K	6.3	250	20	5700	0.140	700	5.50	47	6.10	60	White
LC0603-6N8K	6.8	250	27	5800	0.110	700	6.75	60	7.10	81	Red
LC0603-7N5K	7.5	250	28	4800	0.106	700	7.70	60	7.82	65	Brown
LC0603-8N2K	8.2	250	28	4700	0.109	700	8.30	60	8.50	60	White
LC0603-8N7K	8.7	250	28	4600	0.109	700	8.86	62	9.32	58	Yellow
LC0603-9N5K	9.5	250	28	5400	0.135	700	9.70	59	9.92	61	Blue
LC0603-100K	10	250	31	4800	0.130	700	10.0	66	10.6	83	Orange
LC0603-110K	11	250	33	4000	0.086	700	11.0	53	11.5	56	Gray
LC0603-120K	12	250	35	4000	0.130	700	12.3	72	13.5	83	Yellow
LC0603-150K	15	250	35	4000	0.170	700	15.4	64	16.8	89	Green
LC0603-160K	16	250	34	3300	0.104	700	16.2	55	17.3	52	White
LC0603-180K	18	250	35	3100	0.170	700	18.7	70	21.4	69	Blue
LC0603-220K	22	250	38	3000	0.190	700	22.8	73	26.1	71	Violet
LC0603-240K	24	250	37	2650	0.135	700	24.5	45	28.7	39	Black
LC0603-270K	27	250	40	2800	0.220	600	29.2	74	34.6	65	Gray
LC0603-300K	30	250	37	2250	0.144	600	31.4	47	39.9	28	Brown
LC0603-330K	33	250	40	2300	0.220	600	36.0	67	49.5	42	White
LC0603-360K	36	250	38	2080	0.250	600	39.4	47	52.7	24	Red
LC0603-390K	39	250	40	2200	0.250	600	42.7	60	60.2	40	Black
LC0603-430K	43	250	39	2000	0.280	600	47.0	44	64.9	21	Orange
LC0603-470K	47	200	38	2000	0.280	600	52.2	62	77.2	35	Brown
LC0603-560K	56	200	38	1900	0.310	600	62.5	56	97	26	Red
LC0603-680K	68	200	37	1700	0.340	600	80.5	54	168	21	Orange
LC0603-720K	72	150	34	1700	0.490	400	82.0	53	135	20	Yellow
LC0603-820K	82	150	34	1700	0.540	400	96.2	54	177	21	Green
LC0603-101K	100	150	34	1400	0.580	400	124	49			Blue
LC0603-111K	110	150	32	1350	0.610	300	138	43			Violet
LC0603-121K	120	150	32	1300	0.750	300	166	39			Gray
LC0603-151K	150	150	28	990	0.920	280	250	25			White
LC0603-181K	180	100	25	990	1.250	240	305	22			Black
LC0603-221K	220	100	25	900	2.100	200	480	8			Brown
LC0603-271K	270	100	24	900	2.800	170	980	4			Red