



Dimensions in mm.

Notes for LC0603C wirewound ceramic core inductor:
 Operating Temperature Range from - 40°C to + 125°C.
 Inductance Tolerance: K = ± 10% over entire inductance range.
 J = ± 5% and G = ± 2% (at and above 10nH) available by special order.
 I_{rms} for a 15°C rise above 25°C ambient.

L / Q: Agilent / HP4291A + Agilent / HP16197A.
 SRF: Agilent / HP4291A.
 DC R: Agilent / 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]	I _{rms} Max. [mA]	900 MHz		1.7 GHz		Marking Color
							L Typ.	Q Typ.	L Typ.	Q Typ.	
LC0603C-1N6K	1.6	250	24	12,500	0.030	700	1.67	49	1.65	63	Red
LC0603C-1N8K	1.8	250	16	12,500	0.045	700	1.63	35	1.66	50	Black
LC0603C-3N6K	3.6	250	22	5900	0.063	700	3.72	53	3.71	65	Red
LC0603C-3N9K	3.9	250	22	6900	0.080	700	3.95	49	3.96	67	Brown
LC0603C-4N3K	4.3	250	22	5900	0.063	700	4.32	50	4.33	70	Orange
LC0603C-4N7K	4.7	250	20	5800	0.116	700	4.72	47	4.75	57	Violet
LC0603C-5N1K	5.1	250	20	5700	0.140	700	4.93	47	4.95	56	Green
LC0603C-5N6K	5.6	250	20	5800	0.170	700	5.53	56	5.86	77	Yellow
LC0603C-6N3K	6.3	250	20	5700	0.140	700	5.50	47	6.10	60	White
LC0603C-6N8K	6.8	250	27	5800	0.110	700	6.75	60	7.10	81	Red
LC0603C-7N5K	7.5	250	28	4800	0.106	700	7.70	60	7.82	65	Brown
LC0603C-8N2K	8.2	250	28	4700	0.109	700	8.30	60	8.50	60	White
LC0603C-8N7K	8.7	250	28	4600	0.109	700	8.86	62	9.32	58	Yellow
LC0603C-9N5K	9.5	250	28	5400	0.135	700	9.70	59	9.92	61	Blue
LC0603C-10NK	10	250	31	4800	0.130	700	10.0	66	10.6	83	Orange
LC0603C-11NK	11	250	33	4000	0.086	700	11.0	53	11.5	56	Gray
LC0603C-12NK	12	250	35	4000	0.130	700	12.3	72	13.5	83	Yellow
LC0603C-15NK	15	250	35	4000	0.170	700	15.4	64	16.8	89	Green
LC0603C-16NK	16	250	34	3300	0.104	700	16.2	55	17.3	52	White
LC0603C-18NK	18	250	35	3100	0.170	700	18.7	70	21.4	69	Blue
LC0603C-22NK	22	250	38	3000	0.190	700	22.8	73	26.1	71	Violet
LC0603C-24NK	24	250	37	2650	0.135	700	24.5	45	28.7	39	Black
LC0603C-27NK	27	250	40	2800	0.220	600	29.2	74	34.6	65	Gray
LC0603C-30NK	30	250	37	2250	0.144	600	31.4	47	39.9	28	Brown
LC0603C-33NK	33	250	40	2300	0.220	600	36.0	67	49.5	42	White
LC0603C-36NK	36	250	38	2080	0.250	600	39.4	47	52.7	24	Red
LC0603C-39NK	39	250	40	2200	0.250	600	42.7	60	60.2	40	Black
LC0603C-43NK	43	250	39	2000	0.280	600	47.0	44	64.9	21	Orange
LC0603C-47NK	47	200	38	2000	0.280	600	52.2	62	77.2	35	Brown
LC0603C-56NK	56	200	38	1900	0.310	600	62.5	56	97.0	26	Red
LC0603C-68NK	68	200	37	1700	0.340	600	80.5	54	168	21	Orange
LC0603C-72NK	72	150	34	1700	0.490	400	82.0	53	135	20	Yellow
LC0603C-82NK	82	150	34	1700	0.540	400	96.2	54	177	21	Green
LC0603C-R10K	100	150	34	1400	0.580	400	124	49	%	±	Blue
LC0603C-R11K	110	150	32	1350	0.610	300	138	43	%	±	Violet
LC0603C-R12K	120	150	32	1300	0.750	300	166	39	%	±	Gray
LC0603C-R15K	150	150	28	990	0.920	280	250	25	%	%	White
LC0603C-R18K	180	100	25	990	1.250	240	305	22	%	%	Black
LC0603C-R22K	220	100	25	900	2.100	200	%	%	%	%	Brown
LC0603C-R27K	270	100	24	900	2.800	170	%	%	%	%	Red
LC0603C-R33K	330	100	25	900	3.890	100	%	%	%	%	Orange
LC0603C-R39K	390	100	25	900	4.350	100	%	%	%	%	Yellow