



Dimensions in mm.

Color Coding

Notes for LC1008 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 Frequency [MHz]	Q Min.	Q Test Frequency [MHz]	SRF Min. [MHz]	DC Resistance Max. [Ω]	Irms Max. [mA]	Marking Color		
								1 st	2 nd	3 rd
LC1008-100K	10	50	50	500	4100	0.08	1000	Brown	Black	Black
LC1008-120K	12	50	50	500	3300	0.09	1000	Brown	Red	Black
LC1008-150K	15	50	50	500	2500	0.10	1000	Brown	Green	Black
LC1008-180K	18	50	50	350	2500	0.11	1000	Brown	Gray	Black
LC1008-220K	22	50	55	350	2400	0.12	1000	Red	Red	Black
LC1008-270K	27	50	55	350	1600	0.13	1000	Red	Violet	Black
LC1008-330K	33	50	60	350	1600	0.14	1000	Orange	Orange	Black
LC1008-390K	39	50	60	350	1500	0.15	1000	Orange	White	Black
LC1008-470K	47	50	65	350	1500	0.16	1000	Yellow	Violet	Black
LC1008-560K	56	50	65	350	1300	0.18	1000	Green	Blue	Black
LC1008-680K	68	50	65	350	1300	0.20	1000	Blue	Gray	Black
LC1008-820K	82	50	60	350	1000	0.22	1000	Gray	Red	Black
LC1008-101K	100	25	60	350	1000	0.56	650	Brown	Black	Brown
LC1008-121K	120	25	60	350	950	0.63	650	Brown	Red	Brown
LC1008-151K	150	25	45	100	850	0.70	580	Brown	Green	Brown
LC1008-181K	180	25	45	100	750	0.77	620	Brown	Gray	Brown
LC1008-221K	220	25	45	100	700	0.84	500	Red	Red	Brown
LC1008-271K	270	25	45	100	600	0.91	500	Red	Violet	Brown
LC1008-331K	330	25	45	100	570	1.05	450	Orange	Orange	Brown
LC1008-391K	390	25	45	100	500	1.12	470	Orange	White	Brown
LC1008-471K	470	25	45	100	450	1.19	470	Yellow	Violet	Brown
LC1008-561K	560	25	45	100	415	1.33	400	Green	Blue	Brown
LC1008-621K	620	25	45	100	375	1.40	300	Blue	Red	Brown
LC1008-681K	680	25	45	100	375	1.47	400	Blue	Gray	Brown
LC1008-751K	750	25	45	100	360	1.54	360	Violet	Green	Brown
LC1008-821K	820	25	45	100	350	1.61	400	Gray	Red	Brown
LC1008-911K	910	25	35	50	320	1.68	380	White	Brown	Brown
LC1008-102K	1000	25	35	50	220	1.75	370	Brown	Black	Red
LC1008-122K	1200	7.9	35	50	186	2.0	310	Brown	Red	Red
LC1008-152K	1500	7.9	28	50	200	2.3	330	Brown	Green	Red
LC1008-182K	1800	7.9	25	50	170	2.6	300	Brown	Gray	Red
LC1008-222K	2200	7.9	20	50	110	2.8	280	Red	Red	Red
LC1008-272K	2700	7.9	15	25	140	3.2	290	Red	Violet	Red
LC1008-332K	3300	7.9	15	25	100	3.4	290	Orange	Orange	Red
LC1008-392K	3900	7.9	15	25	100	3.6	260	Orange	White	Red
LC1008-472K	4700	7.9	13	25	90	4.0	260	Yellow	Violet	Red
LC1008-562K	5600	7.9	16	7.9	20	4.0	240	Green	Yellow	Red
LC1008-682K	6800	7.9	18	7.9	40	4.9	200	Yellow	Gray	Red
LC1008-822K	8200	7.9	18	7.9	25	6.0	170	Gray	Red	Red