

High Frequency Ceramic Chip Inductors



0402 Inductance Range

Part Number	Inductance @100 MHz	Q (Typ) 100 MHz	Q (Typ) 800 MHz	Self Resonant Frequency (Min)	DC Res. (MAX)	Rated Current
L-C071N5S_-	1.5 ± 0.3	8	30	4000 MHz	0.10 Ω	300 mA
L-C071N8S_-	1.8 ± 0.3	8	30	3800 MHz	0.12 Ω	300 mA
L-C072N2S_-	2.2 ± 0.3	8	30	3600 MHz	0.16 Ω	300 mA
L-C072N7S_-	2.7 ± 0.3	8	30	3400 MHz	0.20 Ω	300 mA
L-C073N3_-	3.3 nH	8	28	3200 MHz	0.22 Ω	300 mA
L-C073N9_-	3.9 nH	8	30	3000 MHz	0.25 Ω	300 mA
L-C074N7_-	4.7 nH	8	28	2800 MHz	0.28 Ω	300 mA
L-C075N6_-	5.6 nH	8	28	2700 MHz	0.29 Ω	300 mA
L-C076N8_-	6.8 nH	8	28	2600 MHz	0.35 Ω	300 mA
L-C078N2_-	8.2 nH	8	28	2200 MHz	0.40 Ω	300 mA
L-C0710N_-	10.0 nH	8	23	1800 MHz	0.45 Ω	300 mA

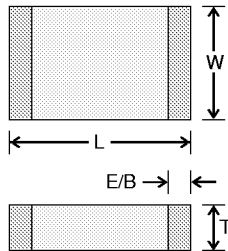
0603 Inductance Range

Part Number	Inductance @100 MHz	Q (Min) 100 MHz	Q (Min) 800 MHz	Self Resonant Frequency (Min)	DC Res. (MAX)	Rated Current
L-C141N5S_-	1.5 ± 0.3	8	38	4000 MHz	0.10 Ω	300 mA
L-C141N8S_-	1.8 ± 0.3	8	36	3800 MHz	0.12 Ω	300 mA
L-C142N2S_-	2.2 ± 0.3	8	34	3600 MHz	0.16 Ω	300 mA
L-C142N7S_-	2.7 ± 0.3	8	32	3400 MHz	0.20 Ω	300 mA
L-C143N3_-	3.3 nH	8	30	3200 MHz	0.22 Ω	300 mA
L-C143N9_-	3.9 nH	8	32	3000 MHz	0.25 Ω	300 mA
L-C144N7_-	4.7 nH	8	38	2800 MHz	0.28 Ω	300 mA
L-C145N6_-	5.6 nH	8	36	2700 MHz	0.29 Ω	300 mA
L-C146N8_-	6.8 nH	8	34	2600 MHz	0.30 Ω	300 mA
L-C148N2_-	8.2 nH	8	32	2200 MHz	0.33 Ω	300 mA
L-C1410N_-	10.0 nH	8	30	1800 MHz	0.35 Ω	300 mA
L-C1412N_-	12.0 nH	8	30	1650 MHz	0.40 Ω	300 mA
L-C1415N_-	15.0 nH	8	26	1350 MHz	0.45 Ω	300 mA
L-C1418N_-	18.0 nH	8	25	1350 MHz	0.50 Ω	300 mA
L-C1422N_-	22.0 nH	8	30	1100 MHz	0.55 Ω	300 mA
L-C1427N_-	27.0 nH	8	26	1100 MHz	0.60 Ω	300 mA
L-C1433N_-	33.0 nH	8	24	1000 MHz	0.65 Ω	300 mA
L-C1439N_-	39.0 nH	8	20	900 MHz	0.70 Ω	300 mA
L-C1439N_-	47.0 nH	10	18	800 MHz	0.90 Ω	300 mA
L-C1439N_-	56.0 nH	10	14	700 MHz	1.00 Ω	300 mA

0805 Inductance Range

Part Number	Inductance @100 MHz	Q (Min) 100 MHz	Q (Min) 800 MHz	Self Resonant Frequency (Min)	DC Res. (MAX)	Rated Current
L-C152N2S_-	1.5 ± 0.3	13	48	4000 MHz	0.10 Ω	300 mA
L-C152N2S_-	1.8 ± 0.3	13	48	4000 MHz	0.10 Ω	300 mA
L-C152N2S_-	2.2 ± 0.3	13	48	3800 MHz	0.10 Ω	300 mA
L-C152N7S_-	2.7 ± 0.3	12	36	3600 MHz	0.10 Ω	300 mA
L-C153N3_-	3.3 nH	13	56	3400 MHz	0.13 Ω	300 mA
L-C153N9_-	3.9 nH	15	54	3200 MHz	0.15 Ω	300 mA
L-C154N7_-	4.7 nH	15	50	3000 MHz	0.20 Ω	300 mA
L-C155N6_-	5.6 nH	15	53	2800 MHz	0.23 Ω	300 mA
L-C156N8_-	6.8 nH	15	45	2600 MHz	0.25 Ω	300 mA
L-C158N2_-	8.2 nH	15	48	2200 MHz	0.28 Ω	300 mA
L-C1510N_-	10.0 nH	16	48	1800 MHz	0.30 Ω	300 mA
L-C1512N_-	12.0 nH	16	43	1650 MHz	0.35 Ω	300 mA
L-C1515N_-	15.0 nH	17	47	1350 MHz	0.40 Ω	300 mA
L-C1518N_-	18.0 nH	17	38	1350 MHz	0.45 Ω	300 mA
L-C1522N_-	22.0 nH	17	35	1100 MHz	0.50 Ω	300 mA
L-C1527N_-	27.0 nH	18	40	1100 MHz	0.55 Ω	300 mA
L-C1533N_-	33.0 nH	18	35	1000 MHz	0.60 Ω	300 mA
L-C1539N_-	39.0 nH	18	40	900 MHz	0.65 Ω	300 mA
L-C1547N_-	47.0 nH	18	33	850 MHz	0.70 Ω	300 mA
L-C1556N_-	56.0 nH	19	31	750 MHz	0.75 Ω	300 mA
L-C1568N_-	68.0 nH	19	28	700 MHz	0.80 Ω	300 mA
L-C1582N_-	82.0 nH	20	9	600 MHz	0.90 Ω	300 mA
L-C1582N_-	100.0 nH	20	9	500 MHz	1.00 Ω	300 mA

MECHANICAL CHARACTERISTICS



Chip Size	0402	0603	0805
L Inches (mm)	.040 ±.003 (1.00 ±.08)	.060 ±.006 (1.60 ±.15)	.080 ±.008 (2.00 ±.2)
W Inches (mm)	.020 ±.003 (0.50 ±.08)	.030 ±.006 (0.80 ±.15)	.050 ±.008 (1.25 ±.2)
T Inches (mm)	.020 ±.003 (0.50 ±.08)	.030 ±.006 (0.80 ±.15)	.040 ±.008 (0.90 ±.2)
E/B Inches (mm)	.015 Max (0.38)	.020 Max (0.51)	.025 Max (0.64)

HOW TO ORDER

L-C	14	10N	J	T
TYPE Inductor, Ceramic	CASE SIZE See Chart	INDUCTANCE See Tabular List	TOLERANCE * S = ± 0.3 nH J = ± 5% K = ± 10% * Values ≤ 2.7 nH only	TAPE MODIFIER Tape Code Tape Type Reel Size T Paper 7" R Paper 13"
				JTI tape specifications conform to EIA RS481.