

SMD Multilayer Ferrite Chip Inductors – CL100505 Series

Electrical Characteristics

Part Number	Inductance (μ H)	Tolerance ($\pm$ %)	Q Min	Test Frequency (MHz)	Self Resonant Frequency (MHz) Min	DC Resistance (Ω) Max	IDC (mA) Max
CL100505T-10NM-N	0.010	20	8	50	500	0.45	50
CL100505T-12NM-N	0.012	20	8	50	500	0.45	50
CL100505T-47NM-N	0.047	20	10	50	500	0.45	50
CL100505T-68NM-N	0.068	20	10	50	480	0.45	50
CL100505T-82NM-N	0.082	20	10	50	480	0.45	50
CL100505T-R10□-N	0.10	20 / 10	15	25	450	0.60	50
CL100505T-R12□-N	0.12	20 / 10	15	25	400	0.70	25
CL100505T-R15□-N	0.15	20 / 10	15	25	350	0.80	25
CL100505T-R18□-N	0.18	20 / 10	15	25	320	0.90	25
CL100505T-R22□-N	0.22	20 / 10	15	25	290	1.10	25
CL100505T-R27□-N	0.27	20 / 10	15	25	260	1.30	25
CL100505T-R33□-N	0.33	20 / 10	15	25	230	1.50	25
CL100505T-R39□-N	0.39	20 / 10	25	10	210	0.41	10
CL100505T-R47□-N	0.47	20 / 10	20	10	190	0.65	10
CL100505T-R56□-N	0.56	20 / 10	20	10	170	0.70	10
CL100505T-R68□-N	0.68	20 / 10	20	10	150	0.80	10
CL100505T-R82□-N	0.82	20 / 10	20	10	130	0.90	10
CL100505T-1R0□-N	1.00	20 / 10	20	10	120	1.00	15
CL100505T-1R2□-N	1.20	20 / 10	20	10	110	1.10	15
CL100505T-1R5□-N	1.50	20 / 10	20	10	100	1.20	10
CL100505T-1R8□-N	1.80	20 / 10	20	10	90	1.30	10
CL100505T-2R2□-N	2.20	20 / 10	20	10	80	1.40	10

- Tolerance: K = $\pm 10\%$ M = $\pm 20\%$

SMD Multilayer Ferrite Chip Inductors – CL160808 Series

Electrical Characteristics

Part Number	Inductance (μ H)	Tolerance ($\pm\%$)	Q Min	Test Frequency (MHz)	Self Resonant Frequency (MHz) Min	DC Resistance (Ω) Max	IDC (mA) Max
CL160808T-10N□-N	0.010	20 / 15	15	50	300	0.2	50
CL160808T-33N□-N	0.033	20 / 15	15	50	270	0.2	50
CL160808T-47N□-N	0.047	20 / 15	15	50	260	0.3	50
CL160808T-56N□-N	0.056	20 / 15	15	50	255	0.3	50
CL160808T-68N□-N	0.068	20 / 15	15	50	250	0.3	50
CL160808T-82N□-N	0.082	20 / 15	15	50	245	0.3	50
CL160808T-R10□-N	0.10	20 / 15 / 10	25	25	240	0.5	50
CL160808T-R12□-N	0.12	20 / 15 / 10	25	25	205	0.5	50
CL160808T-R15□-N	0.15	20 / 15 / 10	25	25	180	0.6	50
CL160808T-R18□-N	0.18	20 / 15 / 10	25	25	165	0.6	50
CL160808T-R22□-N	0.22	20 / 15 / 10	25	25	150	0.8	50
CL160808T-R27□-N	0.27	20 / 15 / 10	25	25	136	0.8	50
CL160808T-R33□-N	0.33	20 / 15 / 10	25	25	125	0.85	35
CL160808T-R39□-N	0.39	20 / 15 / 10	25	25	110	1.00	35
CL160808T-R47□-N	0.47	20 / 15 / 10	25	25	105	1.35	35
CL160808T-R56□-N	0.56	20 / 15 / 10	25	25	95	1.50	35
CL160808T-R68□-N	0.68	20 / 15 / 10	25	25	85	1.70	35
CL160808T-R82□-N	0.82	20 / 15 / 10	25	25	75	2.10	35
CL160808T-1R0□-N	1.0	20 / 15 / 10	35	10	65	0.60	25
CL160808T-1R2□-N	1.2	20 / 15 / 10	35	10	60	0.80	25
CL160808T-1R5□-N	1.5	20 / 15 / 10	35	10	55	0.80	25
CL160808T-1R8□-N	1.8	20 / 15 / 10	35	10	50	0.95	25
CL160808T-2R2□-N	2.2	20 / 15 / 10	35	10	45	1.00	15
CL160808T-2R7□-N	2.7	20 / 15 / 10	35	10	40	1.15	15
CL160808T-3R3□-N	3.3	20 / 15 / 10	35	10	38	1.30	15
CL160808T-3R9□-N	3.9	20 / 15 / 10	35	10	36	1.50	15
CL160808T-4R7□-N	4.7	20 / 15 / 10	35	10	33	1.60	15
CL160808T-5R6□-N	5.6	20 / 15 / 10	35	4	22	1.10	5
CL160808T-6R8□-N	6.8	20 / 15 / 10	35	4	20	1.30	5
CL160808T-8R2□-N	8.2	20 / 15 / 10	30	4	18	1.50	5
CL160808T-100□-N	10	20 / 15 / 10	30	2	17	1.70	5
CL160808T-120□-N	12	20 / 15 / 10	30	2	15	1.80	3
CL160808T-150□-N	15	20 / 15 / 10	20	1	14	1.50	1
CL160808T-180□-N	18	20 / 15 / 10	20	1	13	1.60	1
CL160808T-220□-N	22	20 / 15 / 10	20	1	11	1.70	1
CL160808T-270□-N	27	20 / 15 / 10	20	1	10	1.80	1
CL160808T-330□-N	33	20 / 15 / 10	20	1	9	2.20	1

● Tolerance : K = $\pm 10\%$ L = $\pm 15\%$ M = $\pm 20\%$

SMD Multilayer Ferrite Chip Inductors – CL201209 Series

Electrical Characteristics

Part Number	Inductance (μ H)	Tolerance ($\pm$ %)	Q Min	Test Frequency (MHz)	Self Resonant Frequency (MHz) Min	DC Resistance (Ω) Max	IDC (mA) Max
CL201209T-22N□-N	0.022	20 / 15	20	50	320	0.20	300
CL201209T-33N□-N	0.033	20 / 15	20	50	320	0.020	300
CL201209T-47N□-N	0.047	20 / 15	20	50	320	0.20	300
CL201209T-68N□-N	0.068	20 / 15	20	50	280	0.20	300
CL201209T-82N□-N	0.082	20 / 15	20	50	255	0.20	300
CL201209T-R10□-N	0.10	20 / 15 / 0	25	25	235	0.30	250
CL201209T-R12□-N	0.12	20 / 15 / 10	25	25	220	0.30	250
CL201209T-R15□-N	0.15	20 / 15 / 10	25	25	200	0.40	250
CL201209T-R18□-N	0.18	20 / 15 / 10	25	25	185	0.40	250
CL201209T-R22□-N	0.22	20 / 15 / 10	25	25	170	0.50	250
CL201209T-R27□-N	0.27	20 / 15 / 10	25	25	150	0.50	250
CL201209T-R33□-N	0.33	20 / 15 / 10	25	25	145	0.55	250
CL201209T-R39□-N	0.39	20 / 15 / 10	25	25	135	0.65	250
CL201209T-R47□-N	0.47	20 / 15 / 10	25	25	125	0.65	250
CL201209T-R56□-N	0.56	20 / 15 / 10	25	25	115	0.75	150
CL201209T-R68□-N	0.68	20 / 15 / 10	25	25	105	0.80	150
CL201209T-R82□-N	0.82	20 / 15 / 10	25	25	100	1.00	150
CL201209T-1R0□-N	1.0	20 / 15 / 10	45	10	75	0.40	50
CL201209T-1R2□-N	1.2	20 / 15 / 10	45	10	65	0.50	50
CL201209T-1R5□-N	1.5	20 / 15 / 10	45	10	60	0.50	50
CL201209T-1R8□-N	1.8	20 / 15 / 10	45	10	55	0.60	50
CL201209T-2R2□-N	2.2	20 / 15 / 10	45	10	50	0.65	30
CL201212T-2R7□-N	2.7	20 / 15 / 10	45	10	45	0.75	30
CL201212T-3R3□-N	3.3	20 / 15 / 10	45	10	41	0.80	30
CL201212T-3R9□-N	3.9	20 / 15 / 10	45	10	38	0.90	30
CL201212T-4R7□-N	4.7	20 / 15 / 10	45	10	35	1.00	30
CL201212T-5R6□-N	5.6	20 / 15 / 10	45	4	32	0.90	15
CL201212T-6R8□-N	6.8	20 / 15 / 10	45	4	29	1.00	15
CL201212T-8R2□-N	8.2	20 / 15 / 10	45	4	26	1.10	15
CL201212T-100□-N	10	20 / 15 / 10	45	2	24	1.10	15
CL201212T-120□-N	12	20 / 15 / 10	45	2	22	1.20	15
CL201212T-150□-N	15	20 / 15 / 10	30	1	19	0.80	5
CL201212T-180□-N	18	20 / 15 / 10	30	1	18	0.90	5
CL201212T-220□-N	22	20 / 15 / 10	30	1	16	1.1	5
CL201212T-270□-N	27	20 / 15 / 10	30	1	13	1.25	5

- Tolerance : K = $\pm$ 10% L = $\pm$ 15% M = $\pm$ 20%

SMD Multilayer Ferrite Chip Inductors – CL321611 Series

Electrical Characteristics

Part Number	Inductance (μ H)	Tolerance ($\pm\%$)	Q Min	Test Frequency (MHz)	Self Resonant Frequency (MHz) Min	DC Resistance (Ω) Max	IDC (mA) Max
CL321611T-47N□-N	0.047	20 / 15	20	50	320	0.15	300
CL321611T-68N□-N	0.068	20 / 15	20	50	280	0.25	300
CL321611T-82N□-N	0.082	20 / 15	20	50	250	0.25	300
CL321611T-R10□-N	0.10	20 / 15 / 10	25	25	235	0.25	250
CL321611T-R12□-N	0.12	20 / 15 / 10	25	25	220	0.30	250
CL321611T-R15□-N	0.15	20 / 15 / 10	25	25	200	0.30	250
CL321611T-R18□-N	0.18	20 / 15 / 10	25	25	185	0.40	250
CL321611T-R22□-N	0.22	20 / 15 / 10	25	25	170	0.40	250
CL321611T-R27□-N	0.27	20 / 15 / 10	25	25	150	0.50	250
CL321611T-R33□-N	0.33	20 / 15 / 10	25	25	145	0.60	250
CL321611T-R39□-N	0.39	20 / 15 / 10	25	25	135	0.50	200
CL321611T-R47□-N	0.47	20 / 15 / 10	25	25	125	0.60	200
CL321611T-R56□-N	0.56	20 / 15 / 10	25	25	115	0.70	150
CL321611T-R68□-N	0.68	20 / 15 / 10	25	25	105	0.80	150
CL321611T-R82□-N	0.82	20 / 15 / 10	25	25	100	0.90	150
CL321611T-1R0□-N	1.0	20 / 15 / 10	45	10	75	0.40	100
CL321611T-1R2□-N	1.2	20 / 15 / 10	45	10	65	0.50	100
CL321611T-1R5□-N	1.5	20 / 15 / 10	45	10	60	0.50	80
CL321611T-1R8□-N	1.8	20 / 15 / 10	45	10	55	0.50	70
CL321611T-2R2□-N	2.2	20 / 15 / 10	45	10	50	0.60	60
CL321611T-2R7□-N	2.7	20 / 15 / 10	45	10	45	0.60	60
CL321611T-3R3□-N	3.3	20 / 15 / 10	45	10	41	0.70	60
CL321611T-3R9□-N	3.9	20 / 15 / 10	45	10	38	0.80	50
CL321611T-4R7□-N	4.7	20 / 15 / 10	45	10	35	0.90	50
CL321611T-5R6□-N	5.6	20 / 15 / 10	45	4	32	0.70	25
CL321611T-6R8□-N	6.8	20 / 15 / 10	45	4	29	0.80	25
CL321611T-8R2□-N	8.2	20 / 15 / 10	45	4	26	0.90	25
CL321611T-100□-N	10	20 / 15 / 10	45	2	24	1.00	25
CL321611T-120□-N	12	20 / 15 / 10	45	2	22	1.00	15
CL321611T-150□-N	15	20 / 15 / 10	35	1	19	0.70	5
CL321611T-180□-N	18	20 / 15 / 10	35	1	18	0.75	5
CL321611T-220□-N	22	20 / 15 / 10	35	1	16	0.90	5
CL321611T-270□-N	27	20 / 15 / 10	35	1	14	0.90	5
CL321611T-330□-N	33	20 / 15 / 10	35	1	13	1.05	5

● Tolerance : K = $\pm 10\%$ L = $\pm 15\%$ M = $\pm 20\%$