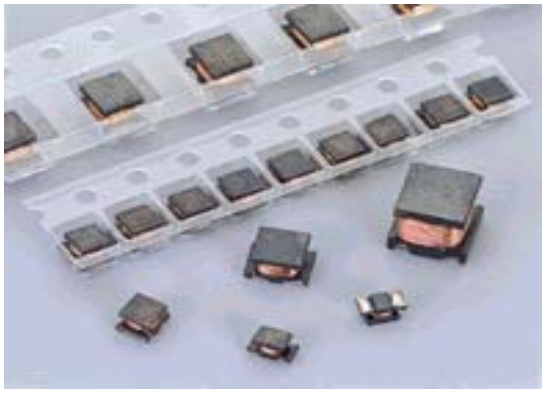
ECM SMD Ferrite Chip Inductors

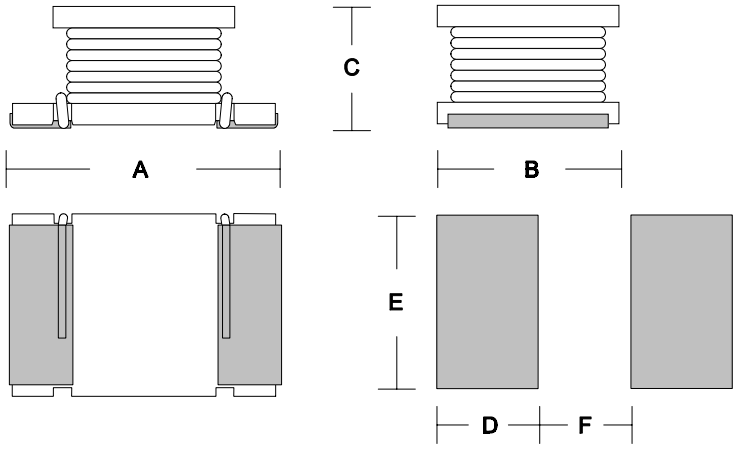
LNC Series



- 4 Package Sizes
- Low 1.8mm Height Option
- Up to 6 Amp
- Low Cost
- Typical Reel Size 1000pcs

The ***LNC*** series comes in four sizes aproximate to EIA packages 1206, 1210, 1812 and 2220. Suitable applications include power choke for:- PDA, VTR, OA equipment, LCD display, metering and flow monitoring, and DC/DC converters.

COMPONENT OUTLINE



DIMENSIONS

ECM Type	Inductance Range	A (mm)	B	C	D	E	F
LNC30T	0.12uH~100uH	3.20	1.60	1.80	1.50	1.50	1.00
LNC32T	1.0uH~560uH	3.20	2.50	2.00	1.50	2.00	1.00
LNC45T	1.0uH~470uH	4.50	3.20	2.60	2.00	3.00	1.20
LNC56T	0.12uH~10mH	5.70	5.00	4.70	2.00	5.00	2.00

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ECM Part	L (μH)	Tol %	SRF Min. (MHz)	R_{DC} MAX (Ω)	I_{DC} I_N (A)
LNC30T Series (1206)					
LNC30T-R12	0.12 @25.2 MHz	M	250	0.112	970
LNC30T-R22	0.22 @25.2 MHz	M	250	0.140	850
LNC30T-R47	0.47 @25.2 MHz	M	180	0.210	700
LNC30T-1R0	1.0 @7.96 MHz	M	100	0.364	510
LNC30T-2R2	2.2 @7.96 MHz	M	50	0.533	430
LNC30T-4R7	4.7 @7.96 MHz	M,K	31	0.845	340
LNC30T-100	10 @2.52 MHz	K,J	20	1.69	230
LNC30T-220	22 @2.52 MHz	K,J	14	3.90	160
LNC30T-470	47 @2.52 MHz	K,J	10	10.40	100
LNC30T-101	100 @0.796 MHz	K,J	7	15.60	80
LNC32T Series (1210)					
LNC32T-1R0	1.0 @7.96 MHz	M	100	0.078	1000
LNC32T-2R2	2.2 @7.96 MHz	M	64	0.126	790
LNC32T-4R7	4.7 @7.96 MHz	M	43	0.195	450
LNC32T-100	10 @2.52 MHz	M	26	0.572	300
LNC32T-220	22 @2.52 MHz	M,K	19	0.923	250
LNC32T-470	47 @2.52 MHz	M,K	15	1.69	170
LNC32T-101	100 @0.796 MHz	K,J	10	4.55	100
LNC32T-221	220 @0.796 MHz	K,J	6.8	10.92	70
LNC32T-331	330 @0.796 MHz	K,J	5.6	13.00	60
LNC32T-391	390 @0.796 MHz	K,J	5.0	22.10	60
LNC32T-471	470 @0.796 MHz	K,J	5.0	24.70	60
LNC32T-561	560 @0.796 MHz	K,J	5.0	28.60	60
LNC45T Series (1812)					
LNC45T-1R0	1.0 @7.96 MHz	M	100	0.08	1080
LNC45T-1R5	1.5 @7.96 MHz	M	85	0.09	1000
LNC45T-2R2	2.2 @7.96 MHz	M	60	0.11	900
LNC45T-3R3	3.3 @7.96 MHz	M	47	0.13	800
LNC45T-4R7	4.7 @7.96 MHz	M,K	35	0.15	750
LNC45T-6R8	6.8 @7.96 MHz	M,K	30	0.20	720
LNC45T-100	10 @2.52 MHz	K,J	23	0.24	650
LNC45T-150	15 @2.52 MHz	K,J	20	0.32	570
LNC45T-220	22 @2.52 MHz	K,J	15	0.60	420
LNC45T-330	33 @2.52 MHz	K,J	12	1.00	310
LNC45T-470	47 @2.52 MHz	K,J	10	1.10	280
LNC45T-680	68 @2.52 MHz	K,J	8.4	1.70	220

TOLERANCE; J=5%, K=10%, M=20%.

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LNC45T Series (1812) Continued…					
LNC45T-101	100 @0.796 MHz	K,J	6.8	2.20	190
LNC45T-151	151 @0.796 MHz	K,J	5.5	3.50	130
LNC45T-221	220 @0.796 MHz	K,J	4.5	4.00	110
LNC45T-331	330 @0.796 MHz	K,J	3.6	6.80	100
LNC45T-471	390 @0.796 MHz	K,J	3.0	8.50	90
LNC56T Series (2220)					
LNC56T-R12	0.12 @100 kHz	M	450	0.0098	6000
LNC56T-R27	0.27 @100 kHz	M	300	0.0140	5300
LNC56T-R47	0.47 @100 kHz	M	200	0.0182	4800
LNC56T-1R0	1.0 @100 kHz	M	150	0.0270	4000
LNC56T-1R5	1.5 @100 kHz	M	110	0.0310	3700
LNC56T-2R2	2.2 @100 kHz	M	80	0.0410	3200
LNC56T-3R3	3.3 @100 kHz	M	40	0.0500	2900
LNC56T-4R7	4.7 @100 kHz	M	30	0.0574	2700
LNC56T-6R8	6.8 @100 kHz	M	25	0.1040	2000
LNC56T-100	10 @100 kHz	M,K	20	0.1300	1700
LNC56T-150	15 @100 kHz	M,K	17	0.210	1400
LNC56T-220	22 @100 kHz	M,K	15	0.266	1200
LNC56T-330	33 @100 kHz	M,K	12	0.448	900
LNC56T-470	47 @100 kHz	M,K	10	0.560	800
LNC56T-680	68 @100 kHz	M,K	7.6	0.938	640
LNC56T-101	100 @100 kHz	M,K	6.5	1.204	560
LNC56T-151	151 @100 kHz	M,K	5.0	2.660	420
LNC56T-221	220 @100 kHz	M,K	4.0	3.360	320
LNC56T-331	330 @100 kHz	M,K	3.1	6.160	270
LNC56T-471	470 @100 kHz	M,K	2.4	7.560	240
LNC56T-681	680 @100 kHz	M,K	1.9	11.34	190
LNC56T-102	1000 @100 kHz	M,K	1.7	14.42	150
LNC56T-222	2200 @100 kHz	M,K	1.2	30.10	100
LNC56T-472	4700 @100 kHz	M,K	0.8	61.04	70
LNC56T-103	10000 @100 kHz	M,K	0.5	140.0	50

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