

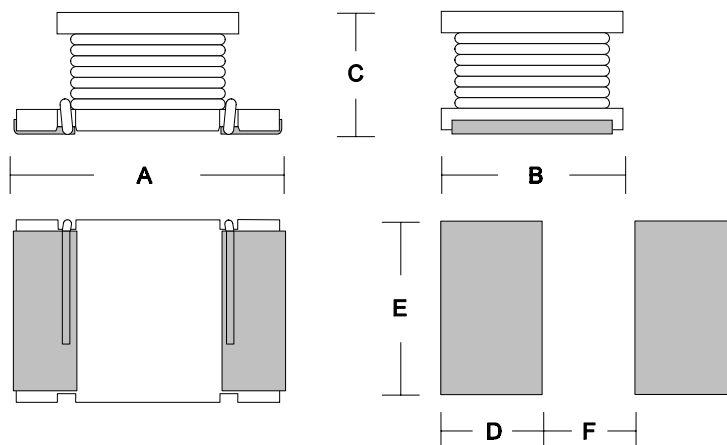
LNC Series

- 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 approximate 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.

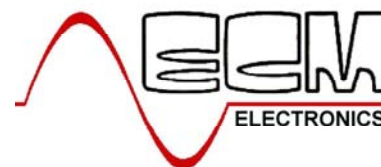
COMPONENT OUTLINE



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

ECM SMD Ferrite Chip Inductors



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)

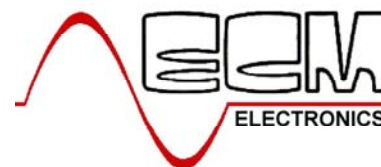
LNC45T-1R0	1.0 @7.96 MHz	M	100	0.08	1080
LNC45T-1R5	1.5 @7.96 MHz	M	85	0.09	1000
LNC45T-2R2	2.2 @7.96 MHz	M	60	0.11	900
LNC45T-3R3	3.3 @7.96 MHz	M	47	0.13	800
LNC45T-4R7	4.7 @7.96 MHz	M,K	35	0.15	750
LNC45T-6R8	6.8 @7.96 MHz	M,K	30	0.20	720
LNC45T-100	10 @2.52 MHz	K,J	23	0.24	650
LNC45T-150	15 @2.52 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%.

ECM Electronics Limited, Penmaen House, Ashington, West Sussex, RH20 3JR, UK
Tel: +44(0)1903 892810: Fax: +44(0)1903 892738. Email: ecm@ecmelectronics.co.uk

Although we have attempted to accurately reflect the products we market. ECM reserve the right without prior notice to discontinue any product or make design changes we believe necessary.

ECM SMD Ferrite Chip Inductors



ECM Part	L (μH)	Tol %	SRF Min. (MHz)	R_{DC} MAX (Ω)	I_{DC} I_N (A)
-----------------	----------------------------------	------------------	-------------------------------	---	---

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

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

ECM Electronics Limited, Penmaen House, Ashington, West Sussex, RH20 3JR, UK
Tel: +44(0)1903 892810: Fax: +44(0)1903 892738. Email: ecm@ecmelectronics.co.uk

Although we have attempted to accurately reflect the products we market. ECM reserve the right without prior notice to discontinue any product or make design changes we believe necessary.