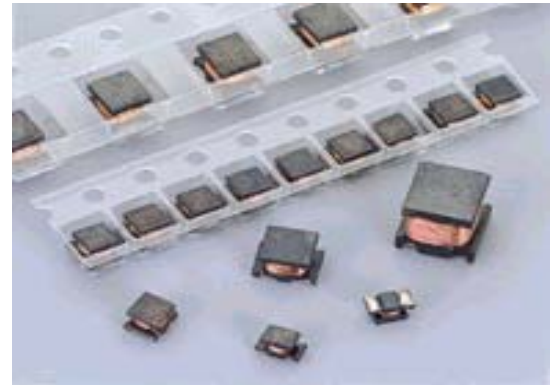


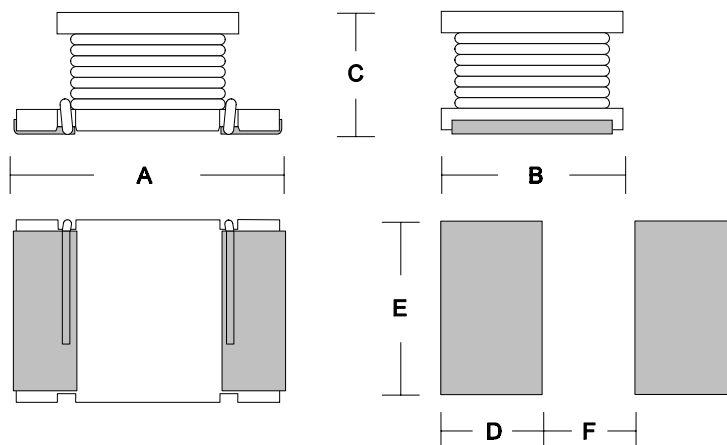
LNC Series

- 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.

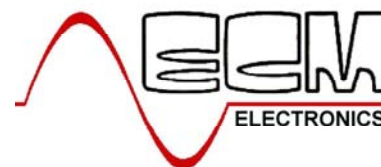
COMPONENT OUTLINE



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)

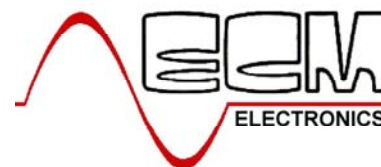
| | | | | | |
|------------|---------------|-----|-----|------|------|
| LNC45T-1R0 | 1.0 @7.96 MHz | M | 100 | 0.08 | 1080 |
| LNC45T-1R5 | 1.5 @7.96 MHz | M | 85 | 0.09 | 1000 |
| LNC45T-2R2 | 2.2 @7.96 MHz | M | 60 | 0.11 | 900 |
| LNC45T-3R3 | 3.3 @7.96 MHz | M | 47 | 0.13 | 800 |
| LNC45T-4R7 | 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%.

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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%.

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