

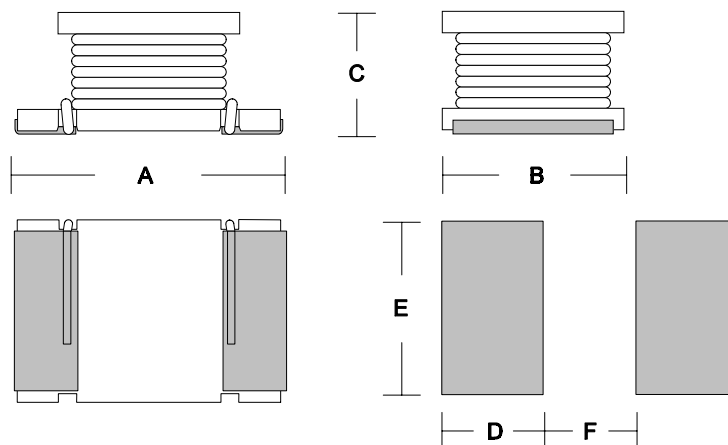
LNQ Series

- 2 Package Sizes
- High 'Q'
- Wide Inductance Range
- Low dcR
- Typical Reel Size 2000pcs



The **LNQ** series comes in two sizes approximate to EIA packages 1210, and 1812. Suitable applications include:- Pagers, Cordless Phones, Portable GPS, Remote Metering and Sensors where optimum battery performance is required.

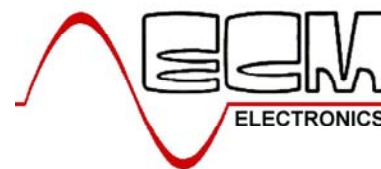
COMPONENT OUTLINE



DIMENSIONS

ECM Type	Inductance Range	A (mm)	B	C	D	E	F
LNQ32T	0.1uH~560uH	3.20	2.50	2.00	1.50	2.00	1.00
LNQ45T	1.0uH~2.2mH	4.50	3.20	2.60	2.00	3.00	1.20

ECM SMD Ferrite Chip Inductors



ECM Part	L (μH)	Tol %	Q Min. @ MHz	SRF Min. (MHz)	R_{DC} MAX (Ω)	I_{DC} I_N (mA)
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LNQ32T Series (1210)

LNQ32T-R10	0.10 @ 1MHz	M	20 @ 25.2MHz	200	0.25	700
LNQ32T-R18	0.18 @ 1MHz	M	20 @ 25.2MHz	200	0.25	650
LNQ32T-R27	0.27 @ 1MHz	M	25 @ 25.2MHz	200	0.25	600
LNQ32T-R39	0.39 @ 1MHz	M	25 @ 25.2MHz	200	0.25	530
LNQ32T-R56	0.56 @ 1MHz	M	30 @ 25.2MHz	160	0.25	530
LNQ32T-R68	0.68 @ 1MHz	M	30 @ 25.2MHz	160	0.25	470
LNQ32T-R82	0.82 @ 1MHz	M	30 @ 25.2MHz	120	0.25	450
LNQ32T-1R0	1.0 @ 1MHz	M	20 @ 1MHz	100	0.50	445
LNQ32T-1R2	1.2 @ 1MHz	M	20 @ 1MHz	100	0.60	425
LNQ32T-1R5	1.5 @ 1MHz	M,K	20 @ 1MHz	75	0.60	400
LNQ32T-1R8	1.8 @ 1MHz	M,K	20 @ 1MHz	60	0.70	390
LNQ32T-2R2	2.2 @ 1MHz	M,K	20 @ 1MHz	50	0.80	370
LNQ32T-2R7	2.7 @ 1MHz	M,K	20 @ 1MHz	43	0.90	320
LNQ32T-3R3	3.3 @ 1MHz	M,K	20 @ 1MHz	38	1.0	300
LNQ32T-3R9	3.9 @ 1MHz	M,K	20 @ 1MHz	35	1.1	290
LNQ32T-4R7	4.7 @ 1MHz	M,K	20 @ 1MHz	31	1.2	270
LNQ32T-5R6	5.6 @ 1MHz	M,K	20 @ 1MHz	28	1.3	250
LNQ32T-6R8	6.8 @ 1MHz	M,K	20 @ 1MHz	25	1.5	240
LNQ32T-8R2	8.2 @ 1MHz	M,K	20 @ 1MHz	23	1.6	225
LNQ32T-100	10 @ 1MHz	K,J	35 @ 1MHz	20	1.8	190
LNQ32T-120	12 @ 1MHz	K,J	35 @ 1MHz	18	2.0	180
LNQ32T-150	15 @ 1MHz	K,J	35 @ 1MHz	16	2.2	170
LNQ32T-180	18 @ 1MHz	K,J	35 @ 1MHz	15	2.5	165
LNQ32T-220	22 @ 1MHz	K,J	35 @ 1MHz	14	2.8	150
LNQ32T-270	27 @ 1MHz	K,J	35 @ 1MHz	13	3.1	125
LNQ32T-330	33 @ 1MHz	K,J	40 @ 1MHz	12	3.5	115
LNQ32T-390	39 @ 1MHz	K,J	40 @ 1MHz	11	3.9	110
LNQ32T-470	47 @ 1MHz	K,J	40 @ 1MHz	11	4.3	100
LNQ32T-560	56 @ 1MHz	K,J	40 @ 1MHz	10	4.9	85
LNQ32T-680	68 @ 1MHz	K,J	40 @ 1MHz	9	5.5	80
LNQ32T-820	82 @ 1MHz	K,J	40 @ 1MHz	8	6.2	70
LNQ32T-101	100 @ 1MHz	K,J	40 @ 0.796MHz	8	7.0	80
LNQ32T-121	120 @ 1MHz	K,J	40 @ 0.796MHz	7	8.0	75
LNQ32T-151	150 @ 1MHz	K,J	40 @ 0.796MHz	7	9.3	70
LNQ32T-181	180 @ 1MHz	K,J	40 @ 0.796MHz	6	10.2	65

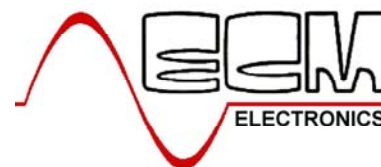
TOLERANCES J=5%, K=10%, M=20%.

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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.

Issue 1

ECM SMD Ferrite Chip Inductors



ECM Part	L (μH)	Tol %	Q Min. (**MHz)	SRF Min. (MHz)	R_{DC} MAX (Ω)	I_{DC} I_N (Ma)
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LNQ32T Series (1210) Continued...

LNQ32T-221	220 @ 1MHz	K,J	40 @ 0.796MHz	6	11.8	65
LNQ32T-271	270 @ 1MHz	K,J	40 @ 0.796MHz	5	12.5	65
LNQ32T-331	330 @ 1MHz	K,J	40 @ 0.796MHz	5	13.0	65
LNQ32T-391	390 @ 1MHz	K,J	50 @ 0.796MHz	5	22.0	50
LNQ32T-471	470 @ 1kHz	K,J	50 @ 0.796MHz	5	25.0	45
LNQ32T-561	560 @ 1kHz	K,J	50 @ 0.796MHz	5	28.0	40

LNQ45T Series (1812)

LNQ45T-1R0	1.0 @ 1MHz	M	20 @ 1MHz	120	0.20	500
LNQ45T-1R2	1.2 @ 1MHz	M	20 @ 1MHz	100	0.20	500
LNQ45T-1R5	1.5 @ 1MHz	M	20 @ 1MHz	85	0.30	500
LNQ45T-1R8	1.8 @ 1MHz	M	20 @ 1MHz	75	0.30	500
LNQ45T-2R2	2.2 @ 1MHz	M	20 @ 1MHz	62	0.30	500
LNQ45T-2R7	2.7 @ 1MHz	M	20 @ 1MHz	53	0.32	500
LNQ45T-3R3	3.3 @ 1MHz	M	20 @ 1MHz	47	0.35	500
LNQ45T-3R9	3.9 @ 1MHz	M	20 @ 1MHz	41	0.38	500
LNQ45T-4R7	4.7 @ 1MHz	M,K	30 @ 1MHz	38	0.40	500
LNQ45T-5R6	5.6 @ 1MHz	M,K	30 @ 1MHz	33	0.47	500
LNQ45T-6R8	6.8 @ 1MHz	M,K	30 @ 1MHz	31	0.50	450
LNQ45T-8R2	8.2 @ 1MHz	M,K	30 @ 1MHz	27	0.56	450
LNQ45T-100	10 @ 1MHz	K,J	35 @ 1MHz	23	0.56	400
LNQ45T-120	12 @ 1MHz	K,J	35 @ 1MHz	21	0.62	380
LNQ45T-150	15 @ 1MHz	K,J	35 @ 1MHz	19	0.73	360
LNQ45T-180	18 @ 1MHz	K,J	35 @ 1MHz	17	0.82	340
LNQ45T-220	22 @ 1MHz	K,J	35 @ 1MHz	15	0.94	320
LNQ45T-270	27 @ 1MHz	K,J	35 @ 1MHz	14	1.1	300
LNQ45T-330	33 @ 1MHz	K,J	35 @ 1MHz	12	1.2	270
LNQ45T-390	39 @ 1MHz	K,J	35 @ 1MHz	11	1.4	240
LNQ45T-470	47 @ 1MHz	K,J	35 @ 1MHz	10	1.5	220
LNQ45T-560	56 @ 1MHz	K,J	35 @ 1MHz	9	1.7	200
LNQ45T-680	68 @ 1MHz	K,J	35 @ 1MHz	8	1.9	180
LNQ45T-820	82 @ 1MHz	K,J	35 @ 1MHz	7	2.2	170
LNQ45T-101	100 @ 1MHz	K,J	40 @ 0.796MHz	6	2.5	160
LNQ45T-121	120 @ 1MHz	K,J	40 @ 0.796MHz	6	3.0	150

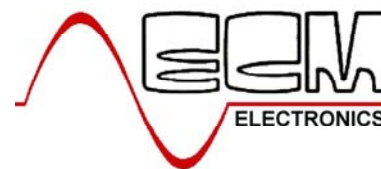
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ECM Part	L (μH)	Tol %	Q Min. (**MHz)	SRF Min. (MHz)	R_{DC} MAX (Ω)	I_{DC} I_N (mA)
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LNQ45T Series (1812) Continued...

LNQ45T-151	150 @ 1MHz	K,J	40 @ 0.796MHz	5	3.7	130
LNQ45T-181	180 @ 1MHz	K,J	40 @ 0.796MHz	5	4.5	120
LNQ45T-221	220 @ 1MHz	K,J	40 @ 0.796MHz	4	5.4	110
LNQ45T-271	270 @ 1MHz	K,J	40 @ 0.796MHz	4	6.8	100
LNQ45T-331	330 @ 1MHz	K,J	40 @ 0.796MHz	3	8.2	95
LNQ45T-391	390 @ 1MHz	K,J	40 @ 0.796MHz	3	9.7	90
LNQ45T-471	470 @ 1kHz	K,J	40 @ 0.796MHz	3	11.8	80
LNQ45T-561	560 @ 1kHz	K,J	40 @ 0.796MHz	2	14.5	70
LNQ45T-681	680 @ 1kHz	K,J	40 @ 0.796MHz	2	17.0	65
LNQ45T-821	820 @ 1kHz	K,J	40 @ 0.796MHz	2	20.5	60
LNQ45T-102	1000 @ 1kHz	K,J	40 @ 0.252MHz	2	25.0	50
LNQ45T-122	1200 @ 1kHz	K,J	40 @ 0.252MHz	2	30.0	45
LNQ45T-152	1500 @ 1kHz	K,J	40 @ 0.252MHz	1	37.0	40
LNQ45T-182	1800 @ 1kHz	K,J	40 @ 0.252MHz	1	45.0	35
LNQ45T-222	2200 @ 1kHz	K,J	40 @ 0.252MHz	1	50.0	30

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