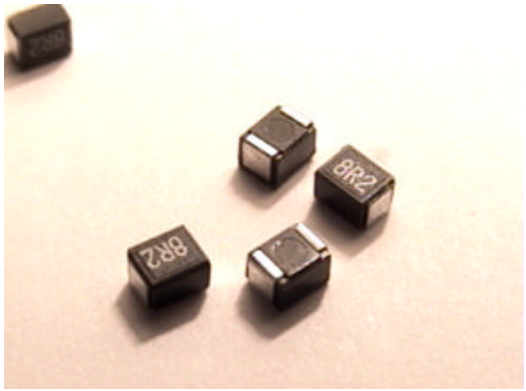
ECM 1210 SMD Chip Inductor

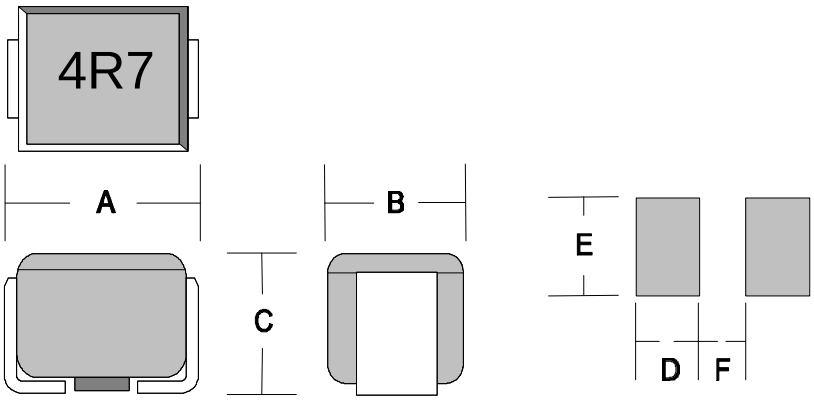
ECM32T Series



- Standard EIA 1210 package
- Wire-wound Construction
- Ferrite Core
- Fully Encapsulated
- Low Cost
- Typical Reel Size 2000pcs

The ECM25T range of chip coils offer uniquely high quality of operation, with excellent mechanical and electrical characteristics including solvent resistance conforming to MIL202E specifications. The ferrite core is totally enclosed within the epoxy body of the component. This popular EIA 1210 package offers excellent workability as well as reliability making it popular with many of the worlds leading design authorities.

COMPONENT OUTLINE



DIMENSIONS (mm)

A	B	C	D	E	F
3.20	2.50	2.20	1.40	2.20	1.50

ECM Electronics Limited, Penmaen House, Ashington, West Sussex, RH20 3JR, UK
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ECM 1210 SMD Chip Inductor

ECM Part	L (mH)	Tol %	Q Min. (**MHz)	SRF Min. (MHz)	R_{DC} MAX (W)	I_{DC} I_N (mA)
ECM32T-010	0.010 @100MHz	J,K	15	2500	0.13	450
ECM32T-012	0.012 @100MHz	J,K	20	2300	0.14	450
ECM32T-015	0.015 @100MHz	J,K	20	2100	0.16	450
ECM32T-018	0.018 @100MHz	J,K	20	1900	0.18	450
ECM32T-022	0.022 @100MHz	J,K	20	1700	0.20	450
ECM32T-027	0.027 @100MHz	J,K	25	1500	0.22	450
ECM32T-033	0.033 @100MHz	J,K	25	1400	0.24	450
ECM32T-039	0.039 @100MHz	J,K	25	1300	0.27	450
ECM32T-047	0.047 @100MHz	J,K	25	1200	0.30	450
ECM32T-056	0.056 @100MHz	J,K	25	1100	0.33	450
ECM32T-068	0.068 @100MHz	J,K	25	1000	0.36	450
ECM32T-082	0.082 @100MHz	J,K	30	900	0.40	450
ECM32T-R10	0.10 @100MHz	J,K	30	700	0.44	450
ECM32T-R12	0.12 @25.2MHz	J,K	30	500	0.22	450
ECM32T-R15	0.15 @25.2MHz	J,K	30	450	0.25	450
ECM32T-R18	0.18 @25.2MHz	J,K	30	400	0.28	450
ECM32T-R22	0.22 @25.2MHz	J,K	30	350	0.32	450
ECM32T-R27	0.27 @25.2MHz	J,K	30	320	0.36	450
ECM32T-R33	0.33 @25.2MHz	J,K	30	300	0.40	450
ECM32T-R39	0.39 @25.2MHz	J,K	30	250	0.45	450
ECM32T-R47	0.47 @25.2MHz	J,K	30	220	0.50	450
ECM32T-R56	0.56 @25.2MHz	J,K	30	180	0.55	450
ECM32T-R68	0.68 @25.2MHz	J,K	30	160	0.60	450
ECM32T-R82	0.82 @25.2MHz	J,K	30	140	0.65	450
ECM32T-1R0	1.0 @7.96MHz	J,K	30	120	0.70	400
ECM32T-1R2	1.2 @7.96MHz	J,K	30	100	0.75	390
ECM32T-1R5	1.5 @7.96MHz	J,K	30	85	0.85	370
ECM32T-1R8	1.8 @7.96MHz	J,K	30	80	0.90	350
ECM32T-2R2	2.2 @7.96MHz	J,K	30	75	1.0	320
ECM32T-2R7	2.7 @7.96MHz	J,K	30	70	1.1	290
ECM32T-3R3	3.3 @7.96MHz	J,K	30	60	1.2	260
ECM32T-3R9	3.9 @7.96MHz	J,K	30	55	1.3	250
ECM32T-4R7	4.7 @7.96MHz	J,K	30	50	1.5	220
ECM32T-5R6	5.6 @7.96MHz	J,K	30	47	1.6	200
ECM32T-6R8	6.8 @7.96MHz	J,K	30	43	1.8	180
ECM32T-8R2	8.2 @7.96MHz	J,K	30	40	2.0	170

TOLERANCES G=2%; J=5%; K=10%.
**** = Test Frequency as specified in 'L' column**

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Issue 1

ECM 1210 SMD Chip Inductor

ECM Part	L (mH)	Tol %	Q Min. (**MHz)	SRF Min. (MHz)	R_{DC} MAX (W)	I_{DC} I_N (mA)
ECM32T-100	10 @2.52MHz	J,K	30	36	2.1	150
ECM32T-120	12 @2.52MHz	J,K	30	33	2.5	140
ECM32T-150	15 @2.52MHz	J,K	30	30	2.8	130
ECM32T-180	18 @2.52MHz	J,K	30	27	3.3	120
ECM32T-220	22 @2.52MHz	J,K	30	25	3.7	110
ECM32T-270	27 @2.52MHz	J,K	30	20	5.0	80
ECM32T-330	33 @2.52MHz	J,K	30	17	5.6	70
ECM32T-390	39 @2.52MHz	J,K	30	16	6	65
ECM32T-470	47 @2.52MHz	J,K	30	15	7	60
ECM32T-560	56 @2.52MHz	J,K	30	13	8	55
ECM32T-680	68 @2.52MHz	J,K	30	12	9	50
ECM32T-820	82 @2.52MHz	J,K	30	11	10	45
ECM32T-101	100 @0.796MHz	J,K	20	10	10	40
ECM32T-121	120 @0.796MHz	J,K	20	10	11	70
ECM32T-151	150 @0.796MHz	J,K	20	8	15	65
ECM32T-181	180 @0.796MHz	J,K	20	7	17	60
ECM32T-221	220 @0.796MHz	J,K	20	7	21	50

TOLERANCES G=2%; J=5%; K=10%.
**** = Test Frequency as specified in 'L' column**

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Issue 1