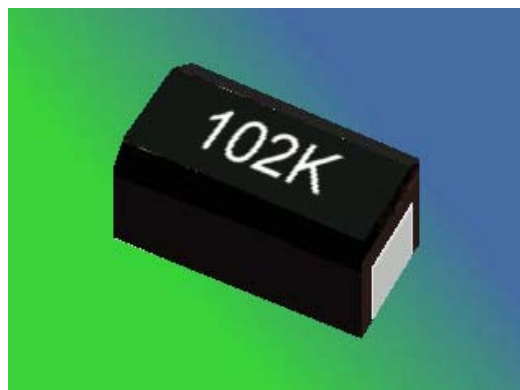


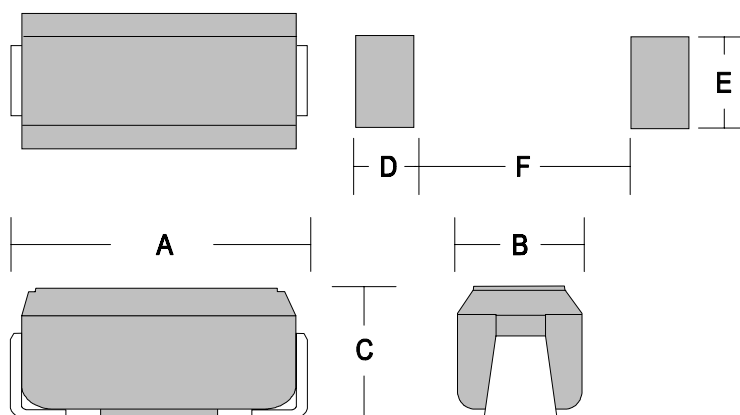
ECM63T Series

- Standard EIA 2512 package
- Wire-wound Construction
- High 'Q', High SRF
- Fully Encapsulated
- Up to 1.0mH +/-10%
- Typical Reel Size 1500pcs



The ECM63T range of surface mount inductor offers uniquely high self-resonant frequencies and 'Q' values. The ferrite chip core is totally enclosed within the LCP body of the component offering excellent reliability and low EMI radiation. Inductance range 220nH ~ 1mH.

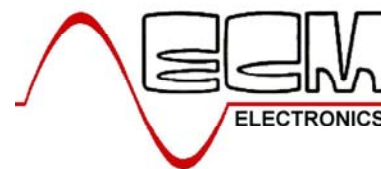
COMPONENT OUTLINE



DIMENSIONS (mm)

A	B	C	D	E	F
6.30	3.20	3.20	1.80	2.50	5.00

ECM 2512 SMD Chip Inductor



ECM Part	L (μH)	Tol %	Q Min. (**MHz)	SRF Min. (MHz)	R_{DC} MAX (Ω)	I_{DC} I_N (mA)
ECM63T-R22	0.22 @25.2 MHz	M	40	380	0.08	1150
ECM63T-R27	0.27 @25.2 MHz	M	40	360	0.08	1110
ECM63T-R33	0.33 @25.2 MHz	M	40	350	0.08	1110
ECM63T-R39	0.39 @25.2 MHz	M	40	320	0.09	1000
ECM63T-R47	0.47 @25.2 MHz	M	40	300	0.10	1000
ECM63T-R56	0.56 @25.2 MHz	M	40	280	0.11	950
ECM63T-R68	0.68 @25.2 MHz	M	40	250	0.12	900
ECM63T-R82	0.82 @25.2 MHz	M	40	200	0.13	875
ECM63T-1R0	1.0 @25.2 MHz	K	40	180	0.15	815
ECM63T-1R2	1.2 @7.96 MHz	K	40	165	0.18	740
ECM63T-1R5	1.5 @7.96 MHz	K	45	150	0.20	700
ECM63T-1R8	1.8 @7.96 MHz	K	50	125	0.23	655
ECM63T-2R2	2.2 @7.96 MHz	K	50	85	0.25	630
ECM63T-2R7	2.7 @7.96 MHz	K	50	80	0.28	595
ECM63T-3R3	3.3 @7.96 MHz	K	50	75	0.30	575
ECM63T-3R9	3.9 @7.96 MHz	K	45	65	0.32	555
ECM63T-4R7	4.7 @7.96 MHz	K	45	45	0.35	530
ECM63T-5R6	5.6 @7.96 MHz	K	45	36	0.40	500
ECM63T-6R8	6.8 @7.96 MHz	K	40	30	0.45	470
ECM63T-8R2	8.2 @7.96 MHz	K	40	28	0.55	425
ECM63T-100	10 @7.96 MHz	K	40	22	0.72	370
ECM63T-120	12 @2.52 MHz	K	45	20	0.80	350
ECM63T-150	15 @2.52 MHz	K	50	16	0.88	335
ECM63T-180	18 @2.52 MHz	K	50	15	1.00	315
ECM63T-220	22 @2.52 MHz	K	50	13	1.20	285
ECM63T-270	27 @2.52 MHz	K	50	11	1.35	270
ECM63T-330	33 @2.52 MHz	K	50	10	1.50	255
ECM63T-390	39 @2.52 MHz	K	50	9.5	1.70	240
ECM63T-470	47 @2.52 MHz	K	60	8.5	2.30	205
ECM63T-560	56 @2.52 MHz	K	60	7.5	2.60	195
ECM63T-680	68 @2.52 MHz	K	60	6.5	3.20	185
ECM63T-820	82 @2.52 MHz	K	60	6.0	3.50	175
ECM63T-101	100 @2.52 MHz	K	60	5.5	3.80	165
ECM63T-121	120 @ 0.796 MHz	K	60	5.4	3.80	160
ECM63T-151	150 @ 0.796 MHz	K	60	4.75	4.40	150
ECM63T-181	180 @ 0.796 MHz	K	60	4.35	5.00	140
ECM63T-221	220 @ 0.796 MHz	K	60	4.00	5.70	130
ECM63T-271	270 @ 0.796 MHz	K	60	3.70	6.50	120
ECM63T-331	330 @ 0.796 MHz	K	60	3.40	9.50	100
ECM63T-391	390 @ 0.796 MHz	K	60	2.80	10.5	95
ECM63T-471	470 @ 0.796 MHz	K	60	2.55	11.6	90
ECM63T-561	560 @ 0.796 MHz	K	60	2.35	13.0	85
ECM63T-681	680 @ 0.796 MHz	K	60	2.00	18.0	75
ECM63T-821	820 @ 0.796 MHz	K	60	1.50	23.0	65
ECM63T-102	1000 @ 0.796 MHz	K	60	1.20	26.0	60

TOLERANCES ; K= 10%

**** = Test Frequency as specified in 'L' column**

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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