ECM 1812 SMD Chip Inductor

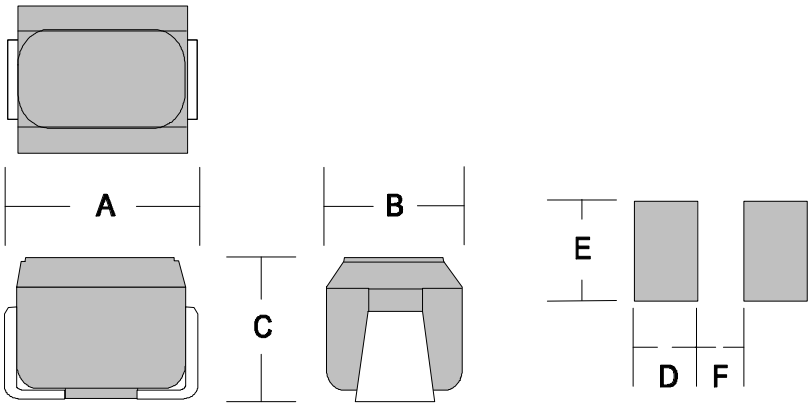
ECM45CT Series



- Standard EIA 1812 package
- Higher Current Handling than ECM45T
- Wire-wound Construction
- Ferrite Core
- Fully Encapsulated
- Typical Reel Size 500pcs

The ECM45CT range of chip coils offer a higher current handleing capability than many other encapsulated SMD inductors. A uniquely high quality of operation is maintained, with excellent mechanical and electrical characteristics. This popular EIA 1812 package offers excellent workability as well as reliability making it suitable for a diverse range of applications including, Automotive security, and DC-DC converter applications.

COMPONENT OUTLINE



DIMENSIONS (mm)

A	B	C	D	E	F
4.50	3.20	3.20	1.80	2.50	2.50

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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.

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ECM Part	L (mH)	Tol %	Q Min. (**MHz)	SRF Min. (MHz)	R_{DC} MAX (W)	I_{DC} I_N (mA)
ECM45CT-1R0	1.0 @7.96MHz	K	10	200	0.11	1050
ECM45CT-1R2	1.2 @7.96MHz	K	10	160	0.12	1000
ECM45CT-1R5	1.5 @7.96MHz	K	10	130	0.15	950
ECM45CT-1R8	1.8 @7.96MHz	K	10	100	0.16	900
ECM45CT-2R2	2.2 @7.96MHz	K	10	80	0.18	850
ECM45CT-2R7	2.7 @7.96MHz	K	10	60	0.20	800
ECM45CT-3R3	3.3 @7.96MHz	K	10	45	0.22	750
ECM45CT-3R9	3.9 @7.96MHz	K	10	40	0.24	700
ECM45CT-4R7	4.7 @7.96MHz	K	10	35	0.27	650
ECM45CT-5R6	5.6 @7.96MHz	K	10	30	0.30	650
ECM45CT-6R8	6.8 @7.96MHz	K	10	28	0.35	600
ECM45CT-8R2	8.2 @7.96MHz	K	10	25	0.40	600
ECM45CT-100	10 @2.52MHz	K	10	22	0.50	550
ECM45CT-120	12 @2.52MHz	K	10	21	0.60	500
ECM45CT-150	15 @2.52MHz	K	10	20	0.70	450
ECM45CT-180	18 @2.52MHz	K	10	19	0.80	400
ECM45CT-220	22 @2.52MHz	K	10	18	0.90	370
ECM45CT-270	27 @2.52MHz	K	10	16	1.20	330
ECM45CT-330	33 @2.52MHz	K	10	14	1.40	300
ECM45CT-390	39 @2.52MHz	K	10	12	1.60	280
ECM45CT-470	47 @2.52MHz	K	10	11.5	1.90	260
ECM45CT-560	56 @2.52MHz	K	10	11.0	2.20	240
ECM45CT-680	68 @2.52MHz	K	10	10.0	2.60	220
ECM45CT-820	82 @2.52MHz	K	10	9.0	3.50	200
ECM45CT-101	100 @0.796MHz	K	20	8.0	4.00	180
ECM45CT-121	120 @0.796MHz	K	20	7.5	4.50	160
ECM45CT-151	150 @0.796MHz	K	20	7.0	6.50	140
ECM45CT-181	180 @0.796MHz	K	20	6.5	7.50	120
ECM45CT-221	220 @0.796MHz	K	20	5.5	9.00	120
ECM45CT-271	270 @0.796MHz	K	20	5.0	11.0	100
ECM45CT-331	330 @0.796MHz	K	20	4.0	13.0	90

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

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Issue 1