

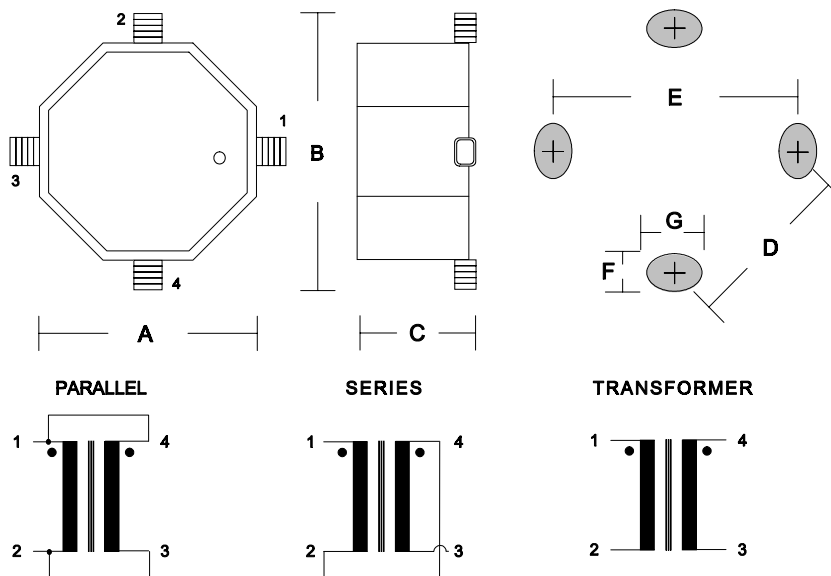
## SMTCX Series

- Surface Mount
- Toroidal Design
- Zero Radiated Interference
- Series or Parallel Operation
- Typical Reel Size 800pcs



The **SMTCX** series of toroidal SMD inductors exhibit excellent current handling characteristics. The clever design of the moulded enclosure makes these coils suitable for automatic placement, as well as connectivity in series, parallel or simply as a 1:1 transformer.

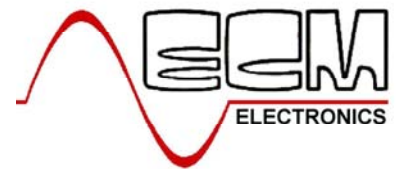
### COMPONENT OUTLINE



### DIMENSIONS

ECM Type	A (mm)	B	C	D	E	F	G
SMTCX1	8.89	11.43	4.19	7.04	9.96	3.05	3.68
SMTCX2	8.89	11.43	5.97	7.04	9.96	3.05	3.68
SMTCX3	11.43	13.97	4.83	8.84	12.50	3.05	4.06
SMTCX4	11.43	13.97	6.35	8.84	12.50	3.05	4.06

# ECM Surface Mount Toroidal Inductors



ECM Part	PARALLEL			SERIES		
	L ( $\mu$ H)	Isat (A <sub>dc</sub> )	R <sub>DC</sub> ( $\Omega$ )	L ( $\mu$ H)	Isat (A <sub>dc</sub> )	R <sub>DC</sub> ( $\Omega$ )

## SMTCX1 Series

SMTCX1-R47	0.40	5.50	0.005	1.60	2.75	0.020
SMTCX1-R68	0.63	4.50	0.006	2.50	2.25	0.024
SMTCX1-1R0	0.90	4.20	0.007	3.60	2.10	0.028
SMTCX1-2R0	2.03	4.10	0.011	8.10	2.05	0.041
SMTCX1-4R7	4.90	2.30	0.031	19.60	1.15	0.122
SMTCX1-8R2	8.10	2.00	0.040	32.40	1.00	0.158
SMTCX1-100	10.00	1.90	0.044	40.00	0.95	0.176
SMTCX1-150	14.40	1.10	0.080	57.60	0.55	0.319
SMTCX1-180	19.60	1.00	0.146	78.40	0.50	0.584
SMTCX1-220	25.60	0.74	0.167	102.40	0.37	0.667
SMTCX1-330	32.40	0.72	0.293	129.60	0.36	1.171
SMTCX1-500	50.63	0.64	0.366	202.50	0.32	1.462
SMTCX1-680	67.60	0.54	0.517	270.40	0.27	2.065
SMTCX1-101	99.23	0.44	0.785	396.90	0.22	3.137
SMTCX1-151	148.23	0.38	0.966	592.90	0.19	3.862
SMTCX1-201	202.50	0.37	1.142	810.00	0.19	4.567
SMTCX1-301	202.50	0.22	1.432	1210.00	0.11	5.725

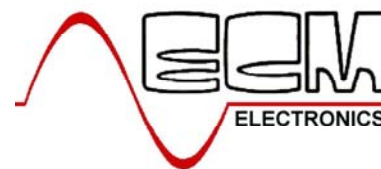
## SMTCX2 Series

SMTCX2-R47	0.42	6.50	0.005	1.69	3.25	0.019
SMTCX2-R68	0.75	5.50	0.006	3.01	2.75	0.024
SMTCX2-1R0	1.18	4.60	0.008	4.70	2.30	0.029
SMTCX2-2R0	2.30	4.50	0.010	9.21	2.25	0.038
SMTCX2-4R7	4.70	3.00	0.021	18.80	1.50	0.084
SMTCX2-8R2	7.94	2.60	0.027	31.77	1.30	0.108
SMTCX2-100	10.58	2.50	0.032	42.30	1.25	0.125
SMTCX2-150	15.23	1.70	0.059	60.91	0.85	0.237
SMTCX2-180	20.73	1.30	0.107	82.91	0.65	0.427
SMTCX2-220	24.86	1.00	0.117	99.45	0.50	0.466
SMTCX2-330	31.77	1.40	0.106	127.09	0.70	0.421
SMTCX2-500	51.18	0.92	0.210	204.73	0.46	0.839
SMTCX2-680	67.87	0.78	0.304	271.47	0.39	1.214
SMTCX2-101	99.45	0.63	0.458	397.81	0.32	1.829
SMTCX2-151	147.39	0.43	0.561	589.57	0.22	2.242
SMTCX2-201	198.58	0.39	0.796	794.30	0.20	3.184
SMTCX2-301	300.80	0.38	1.233	1203.20	0.19	4.929

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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 Surface Mount Toroidal Inductors



ECM Part	PARALLEL			SERIES		
	L ( $\mu$ H)	Isat (A <sub>dc</sub> )	R <sub>DC</sub> ( $\Omega$ )	L ( $\mu$ H)	Isat (A <sub>dc</sub> )	R <sub>DC</sub> ( $\Omega$ )

## SMTCX3 Series

SMTCX3-R47	0.46	6.20	0.007	1.85	3.10	0.025
SMTCX3-R68	0.67	5.70	0.008	2.66	2.85	0.029
SMTCX3-1R0	0.91	5.40	0.009	3.63	2.70	0.033
SMTCX3-2R0	1.85	4.60	0.012	7.40	2.30	0.045
SMTCX3-4R7	4.74	3.20	0.023	18.94	1.65	0.090
SMTCX3-8R2	8.16	2.80	0.030	32.63	1.50	0.119
SMTCX3-100	9.79	2.70	0.033	39.15	1.25	0.132
SMTCX3-150	14.50	2.20	0.050	58.02	1.15	0.198
SMTCX3-180	20.15	1.50	0.111	80.59	0.95	0.443
SMTCX3-220	25.33	1.40	0.125	101.31	0.80	0.499
SMTCX3-330	32.63	1.30	0.143	130.54	0.65	0.571
SMTCX3-500	50.02	0.92	0.277	200.10	0.60	1.108
SMTCX3-680	68.84	0.84	0.328	275.35	0.55	1.312
SMTCX3-101	101.31	0.68	0.502	405.22	0.36	2.005
SMTCX3-151	149.85	0.64	0.621	599.40	0.32	2.484
SMTCX3-201	200.10	0.60	0.732	800.38	0.30	2.925
SMTCX3-301	298.39	0.50	0.926	1193.55	0.27	3.702

## SMTCX4 Series

SMTCX4-R47	0.49	7.90	0.005	1.95	3.95	0.019
SMTCX4-R68	0.76	7.20	0.006	3.05	3.60	0.023
SMTCX4-1R0	1.10	5.90	0.009	4.39	2.95	0.034
SMTCX4-2R0	1.95	4.60	0.014	7.81	2.30	0.055
SMTCX4-4R7	5.15	3.30	0.027	20.62	1.65	0.107
SMTCX4-8R2	7.81	3.00	0.033	31.23	1.50	0.131
SMTCX4-100	9.88	2.50	0.047	39.53	1.25	0.187
SMTCX4-150	14.76	2.30	0.057	59.05	1.15	0.228
SMTCX4-180	20.62	1.90	0.085	82.47	0.95	0.337
SMTCX4-220	25.65	1.60	0.116	102.60	0.80	0.462
SMTCX4-330	33.21	1.30	0.166	132.86	0.65	0.663
SMTCX4-500	48.80	1.20	0.202	195.20	0.60	0.805
SMTCX4-680	67.37	1.10	0.238	269.50	0.55	0.952
SMTCX4-101	99.09	0.72	0.565	396.38	0.36	2.259
SMTCX4-151	149.45	0.64	0.696	597.80	0.32	2.784
SMTCX4-201	200.11	0.60	0.810	800.44	0.30	3.240
SMTCX4-301	298.93	0.54	1.003	1195.72	0.27	4.011

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