

# ECM 1210 Ceramic RF Chip Inductor

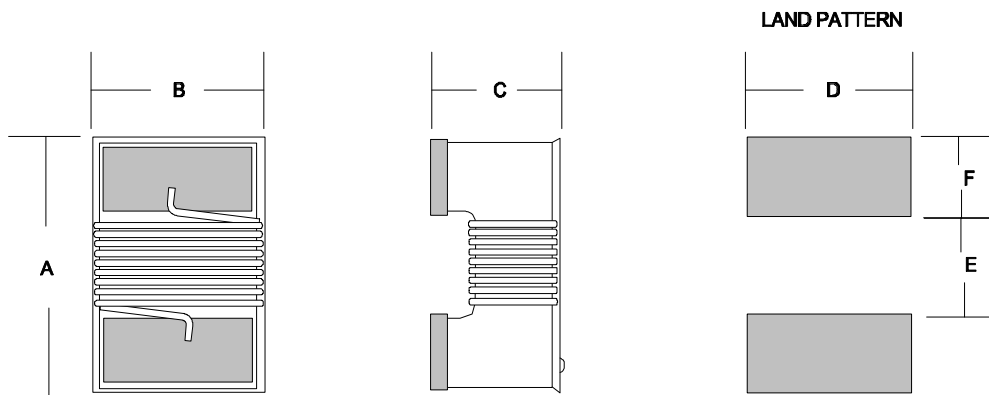
## EC1210 Series

- Standard EIA 1210 package
- Wire-wound Construction
- Ceramic Core
- High 'Q'
- High SRF
- Typical Reel Size 2000pcs



The EC1210 range of chip coils features typically lower dcR than the other EC SMD inductors. The standard Gold laminated Tungsten-Nickel terminations allow excellent solderability as well as use with many conductive adhesives.

### COMPONENT OUTLINE



### DIMENSIONS (mm)

A	B	C	D	E	F
3.56	2.92	2.25	2.54	1.78	1.02

Specify terminal type :- 01 = W/Ni/Au - STANDARD 02 = Pd/Pt/Ag – SUPER SOLDERABILITY

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Issue 1

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<b>ECM Part</b>	<b>L (nH)</b>	<b>Tol %</b>	<b>Q Min.</b>	<b>SRF Min. (MHz)</b>	<b>R<sub>DC</sub> MAX (W)</b>	<b>I<sub>DC</sub> I<sub>N</sub> (mA)</b>
EC1210A-010	10 @50MHz	K	50 @500MHz	4100	0.08	1000
EC1210A-012	12 @50MHz	K	50 @500MHz	3300	0.09	1000
EC1210A-015	15 @50MHz	K	50 @500MHz	2500	0.10	1000
EC1210A-018	18 @50MHz	J,K	50 @350MHz	2500	0.11	1000
EC1210A-022	22 @50MHz	J,K	55 @350MHz	2400	0.12	1000
EC1210A-027	27 @50MHz	G,J,K	55 @350MHz	1600	0.13	1000
EC1210A-033	33 @50MHz	G,J,K	60 @350MHz	1600	0.14	1000
EC1210A-039	39 @50MHz	G,J,K	60 @350MHz	1500	0.15	1000
EC1210A-047	47 @50MHz	G,J,K	65 @350MHz	1500	0.16	1000
EC1210A-056	56 @50MHz	G,J,K	65 @350MHz	1300	0.18	1000
EC1210A-068	68 @50MHz	G,J,K	65 @350MHz	1300	0.20	1000
EC1210A-082	82 @50MHz	G,J,K	60 @350MHz	1000	0.22	1000
EC1210A-R10	100 @25MHz	G,J,K	60 @350MHz	1000	0.24	980
EC1210A-R12	120 @25MHz	G,J,K	60 @350MHz	950	0.26	920
EC1210A-R15	150 @25MHz	G,J,K	50 @100MHz	850	0.29	870
EC1210A-R18	180 @25MHz	G,J,K	50 @100MHz	750	0.31	830
EC1210A-R22	220 @25MHz	G,J,K	50 @100MHz	700	0.35	790
EC1210A-R27	270 @25MHz	G,J,K	45 @100MHz	600	0.42	730
EC1210A-R33	330 @25MHz	G,J,K	45 @100MHz	570	0.49	680
EC1210A-R39	390 @25MHz	G,J,K	45 @100MHz	500	0.54	640
EC1210A-R47	470 @25MHz	G,J,K	45 @100MHz	450	0.60	610
EC1210A-R56	560 @25MHz	G,J,K	45 @100MHz	415	1.00	460
EC1210A-R68	680 @25MHz	G,J,K	45 @100MHz	375	1.15	420
EC1210A-R82	820 @25MHz	G,J,K	45 @100MHz	350	1.93	350
EC1210A-1R0	1000 @25MHz	G,J,K	35 @50MHz	290	2.16	330
EC1210A-1R2	1200 @7.9MHz	J,K	35 @50MHz	250	2.38	310
EC1210A-1R5	1500 @7.9MHz	J,K	25 @50MHz	200	2.64	300
EC1210A-1R8	1800 @7.9MHz	J,K	25 @50MHz	160	2.76	290
EC1210A-2R2	2200 @7.9MHz	J,K	25 @50MHz	160	2.98	280
EC1210A-2R7	2700 @7.9MHz	J,K	25 @25MHz	140	3.30	260
EC1210A-3R3	3300 @7.9MHz	J,K	25 @25MHz	110	3.66	250
EC1210A-3R9	3900 @7.9MHz	J,K	20 @25MHz	100	4.00	240
EC1210A-4R7	4700 @7.9MHz	J,K	20 @25MHz	90	4.30	230

**TOLERANCES G=2%; J=5%; K=10%.**

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