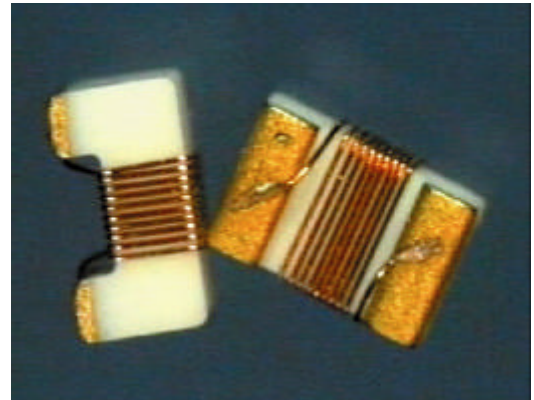


ECM 1008 Ceramic / Ferrite Inductor

EC1008 Series

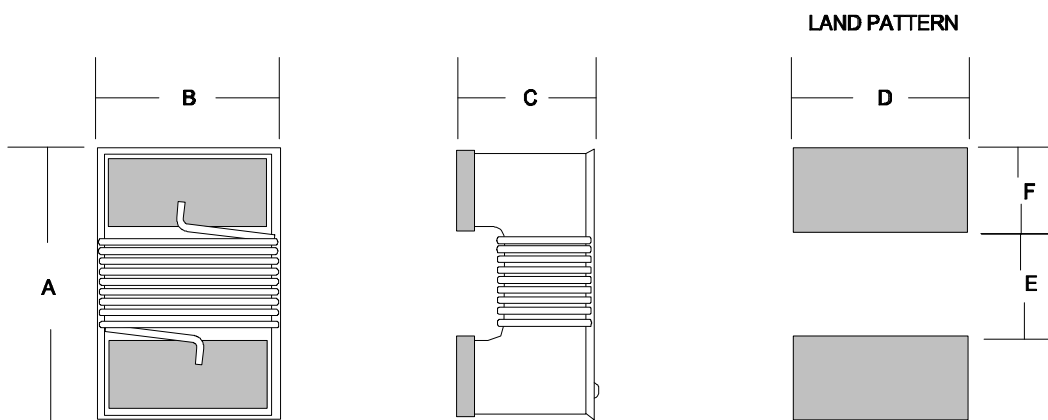
- Standard EIA 1008 package
- Wire-wound Construction
- Ceramic Core
- High 'Q'
- High SRF
- Typical Reel Size 2000pcs



The EC1008 range of chip coils remains the most popular type of 1008 coil . Available with either a ceramic or ferrite core material and noted for its overall durability, this part is recommended for many of the worlds leading communication projects.

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
2.92	2.80	2.25	2.60	1.27	1.02

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

ECM Electronics Limited, Penmaen House, Ashington, West Sussex, RH20 3JR, UK
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ECM 1008 Ceramic / Ferrite Inductor

ECM Part	L (nH)	Tol %	Q Min.	SRF Min. (MHz)	R _{DC} MAX (W)	I _{DC} I _N (mA)
EC1008A-010	10 @50MHz	J,K	50 @500MHz	4100	0.08	1000
EC1008A-012	12 @50MHz	J,K	50 @500MHz	3300	0.09	1000
EC1008A-015	15 @50MHz	J,K	50 @500MHz	2500	0.10	1000
EC1008A-018	18 @50MHz	J,K	50 @350MHz	2500	0.11	1000
EC1008A-022	22 @50MHz	J,K	55 @350MHz	2400	0.12	1000
EC1008A-027	27 @50MHz	G,J,K	55 @350MHz	1600	0.13	1000
EC1008A-033	33 @50MHz	G,J,K	60 @350MHz	1600	0.14	1000
EC1008A-039	39 @50MHz	G,J,K	60 @350MHz	1500	0.15	1000
EC1008A-047	47 @50MHz	G,J,K	65 @350MHz	1500	0.16	1000
EC1008A-056	56 @50MHz	G,J,K	65 @350MHz	1300	0.18	1000
EC1008A-068	68 @50MHz	G,J,K	65 @350MHz	1300	0.20	1000
EC1008A-082	82 @50MHz	G,J,K	60 @350MHz	1000	0.22	1000
EC1008A-R10	100 @25MHz	G,J,K	60 @350MHz	1000	0.56	650
EC1008A-R12	120 @25MHz	G,J,K	60 @350MHz	950	0.63	650
EC1008A-R15	150 @25MHz	G,J,K	50 @100MHz	850	0.70	580
EC1008A-R18	180 @25MHz	G,J,K	50 @100MHz	750	0.77	620
EC1008A-R22	220 @25MHz	G,J,K	50 @100MHz	700	0.84	500
EC1008A-R27	270 @25MHz	G,J,K	45 @100MHz	600	0.91	500
EC1008A-R33	330 @25MHz	G,J,K	45 @100MHz	570	1.05	450
EC1008A-R39	390 @25MHz	G,J,K	45 @100MHz	500	1.12	470
EC1008A-R47	470 @25MHz	G,J,K	45 @100MHz	450	1.19	470
EC1008A-R56	560 @25MHz	G,J,K	45 @100MHz	415	1.33	400
EC1008A-R68	680 @25MHz	G,J,K	45 @100MHz	375	1.47	400
EC1008A-R82	820 @25MHz	G,J,K	45 @100MHz	350	1.54	400
EC1008A-1R0	1000 @25MHz	G,J,K	35 @50MHz	290	1.75	370
EC1008A-1R2	1200 @7.9MHz	G,J,K	35 @50MHz	250	2.00	310
EC1008A-1R5	1500 @7.9MHz	G,J,K	25 @50MHz	200	2.30	330
EC1008A-1R8	1800 @7.9MHz	G,J,K	25 @50MHz	160	2.60	300
EC1008A-2R2	2200 @7.9MHz	G,J,K	25 @50MHz	160	2.80	280
EC1008A-2R7	2700 @7.9MHz	G,J,K	25 @25MHz	140	3.20	290
EC1008A-3R3	3300 @7.9MHz	G,J,K	25 @25MHz	110	3.40	290
EC1008A-3R9	3900 @7.9MHz	G,J,K	20 @25MHz	100	3.60	260
EC1008A-4R7	4700 @7.9MHz	G,J,K	20 @25MHz	90	4.00	260
EC1008A-5R6	5600 @7.9MHz	G,J,K	20 @7.9MHz	80	7.00	200
EC1008A-6R8	6800 @7.9MHz	G,J,K	20 @7.9MHz	60	8.00	180
EC1008A-8R2	8200 @7.9MHz	G,J,K	20 @7.9MHz	40	9.50	150
EC1008A-100	10000 @7.9MHz	G,J,K	20 @7.9MHz	25	12.0	100

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

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Issue 3

ECM 1008 Ceramic / Ferrite Inductor

ECM Part	L (uH)	Tol %	Q Min.	SRF Min. (MHz)	R_{DC} MAX (W)	I_{DC} I_N (mA)
EC1008F-1R2	1.2 @7.9MHz	G,J,K	48 @50MHz	210	0.68	650
EC1008F-1R5	1.5 @7.9MHz	G,J,K	41 @50MHz	190	0.76	630
EC1008F-1R8	1.8 @7.9MHz	G,J,K	39 @50MHz	170	0.84	600
EC1008F-2R2	2.2 @7.9MHz	G,J,K	34 @50MHz	150	1.10	520
EC1008F-2R7	2.7 @7.9MHz	G,J,K	34 @50MHz	135	1.28	490
EC1008F-3R3	3.3 @7.9MHz	G,J,K	32 @50MHz	120	1.46	450
EC1008F-3R9	3.9 @7.9MHz	G,J,K	32 @7.9MHz	105	1.56	420
EC1008F-4R7	4.7 @7.9MHz	G,J,K	31 @7.9MHz	90	1.68	400
EC1008F-5R6	5.6 @7.9MHz	G,J,K	31 @7.9MHz	80	1.82	380
EC1008F-6R8	6.8 @7.9MHz	G,J,K	31 @7.9MHz	70	2.00	360
EC1008F-8R2	8.2 @7.9MHz	G,J,K	23 @7.9MHz	65	2.65	330
EC1008F-100	10 @7.9MHz	G,J,K	31 @7.9MHz	60	2.95	300

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