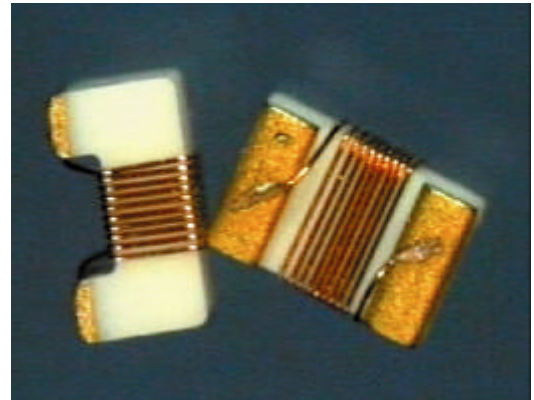


EC1008 Series

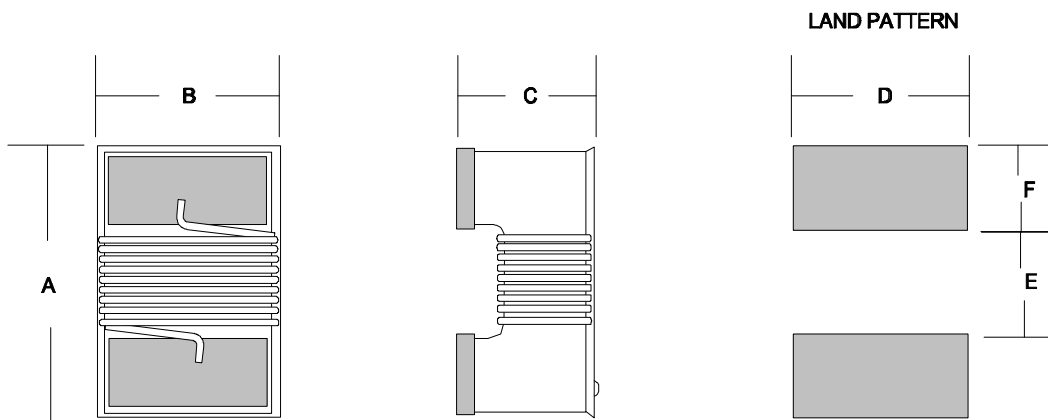
- Standard EIA 1008 package
- Wire-wound Construction
- Ceramic Core
- High 'Q'
- High SRF
- Typical Reel Size 2000pcs



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

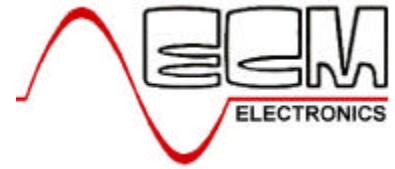


DIMENSIONS (mm)

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 1008 Ceramic / Ferrite Inductor



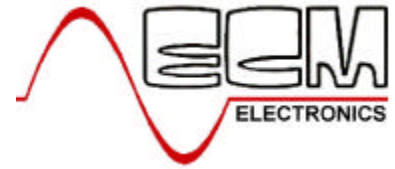
ECM Part	L (nH)	Tol %	Q Min.	SRF Min. (MHz)	R _{DC} MAX (W)	I _{DC} I _N (mA)
EC1008A-010	10 @50MHz	J,K	50 @500MHz	4100	0.08	1000
EC1008A-012	12 @50MHz	J,K	50 @500MHz	3300	0.09	1000
EC1008A-015	15 @50MHz	J,K	50 @500MHz	2500	0.10	1000
EC1008A-018	18 @50MHz	J,K	50 @350MHz	2500	0.11	1000
EC1008A-022	22 @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%.

ECM Electronics Limited, Penmaen House, Ashington, West Sussex, RH20 3JR, UK
 Tel: +44(0)1903 892810: Fax: +44(0)1903 892738. Email: ecm@ecmelectronics.co.uk

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 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%.

ECM Electronics Limited, Penmaen House, Ashington, West Sussex, RH20 3JR, UK
Tel: +44(0)1903 892810: Fax: +44(0)1903 892738. Email: ecm@ecmelectronics.co.uk

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.