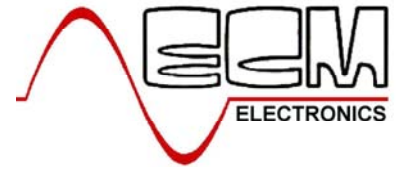
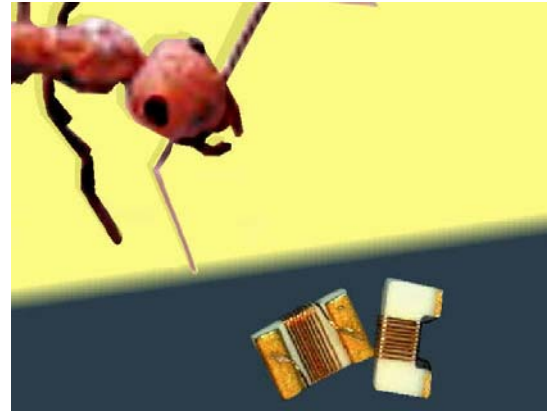


ECM 0402 Ceramic RF Chip Inductor



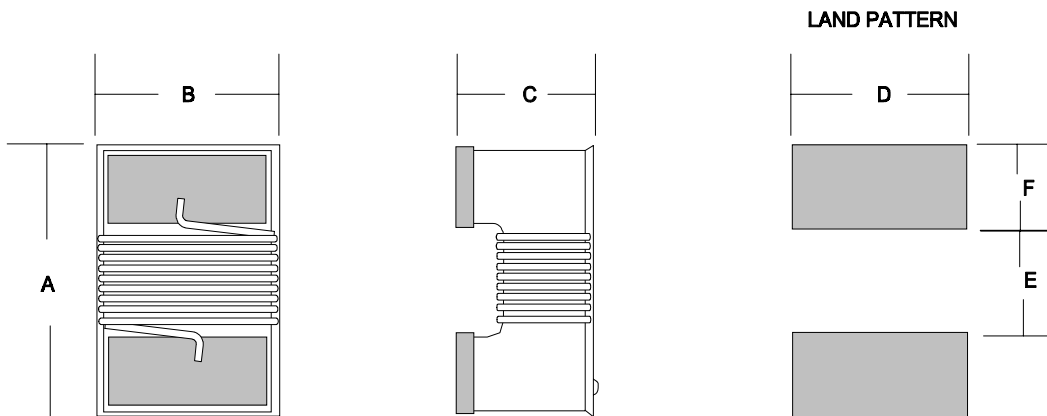
EC0402 Series

- Standard EIA 0402 package
- Wire-wound Construction
- Ceramic Core
- High 'Q'
- High SRF
- Typical Reel Size 6000pcs



The EC0402 series chip inductor has been designed to meet the requirements of the telecommunications market of high production capability and inexpensive cost. High self resonant frequencies and 'Q' are ensured by this optimum coil design under a zero defects quality program.

COMPONENT OUTLINE



DIMENSIONS (mm)

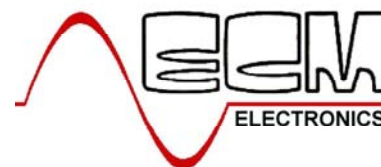
A	B	C	D	E	F
1.19	0.61	0.61	0.66	0.36	0.46

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

ECM Electronics Limited, Penmaen House, Ashington, West Sussex, RH20 3JR, UK
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ECM 0402 Ceramic RF Chip Inductor



ECM Part	L (nH)	Tol %	Q Min. (**MHz)	SRF Min. (MHz)	R _{DC} MAX (Ω)	I _{DC} I _N (mA)	900 MHz L vs Q	1.7 GHz L vs Q
EC0402A-1N0	1.0 @250MHz	G,J,K	16	>6000	0.045	1360	1.02 – 77	1.02 – 69
EC0402A-2N0	2.0 @250MHz	G,J,K	16	>6000	0.070	1040	1.93 – 54	1.93 – 75
EC0402A-2N2	2.2 @250MHz	G,J,K	19	>6000	0.070	960	2.19 – 59	2.23 – 100
EC0402A-3N3	3.3 @250MHz	G,J,K	19	6000	0.066	840	3.10 – 65	3.12 – 87
EC0402A-3N6	3.6 @250MHz	G,J,K	19	6000	0.066	840	3.56 – 45	3.62 – 71
EC0402A-3N9	3.9 @250MHz	G,J,K	19	5800	0.066	840	3.89 – 50	4.00 – 75
EC0402A-5N1	5.1 @250MHz	G,J,K	20	5800	0.083	800	5.15 – 56	5.25 – 82
EC0402A-5N6	5.6 @250MHz	G,J,K	20	5800	0.083	760	5.16 – 54	5.28 – 81
EC0402A-6N2	6.2 @ 250MHz	G,J,K	20	5800	0.083	760	6.16 – 52	6.37 – 76
EC0402A-7N5	7.5 @250MHz	G,J,K	22	5800	0.104	680	7.91 – 60	8.22 – 88
EC0402A-8N2	8.2 @250MHz	G,J,K	22	4400	0.104	680	8.50 – 57	8.85 – 84
EC0402A-9N0	9.0 @250MHz	G,J,K	22	4160	0.104	680	9.07 – 62	9.53 – 78
EC0402A-011	11 @250MHz	G,J,K	24	3680	0.120	640	10.7 – 52	11.2 – 78
EC0402A-012	12 @250MHz	G,J,K	24	3600	0.120	640	11.9 – 53	12.7 – 71
EC0402A-015	15 @250MHz	G,J,K	24	3280	0.172	560	14.6 – 55	15.5 – 77
EC0402A-019	19 @250MHz	G,J,K	24	3040	0.202	480	19.1 – 50	21.1 – 67
EC0402A-023	23 @250MHz	G,J,K	24	2720	0.214	400	23.8 – 49	26.9 – 64
EC0402A-027	27 @250MHz	G,J,K	25	2480	0.298	400	28.7 – 49	33.5 – 63
EC0402A-036	36 @250MHz	G,J,K	25	2320	0.403	320	38.5 – 44	48.4 – 53
EC0402A-040	40 @250MHz	G,J,K	24	2240	0.438	320	39.0 – 44	47.4 – 33

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

**** = Test Frequency as specified in 'L' column**

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