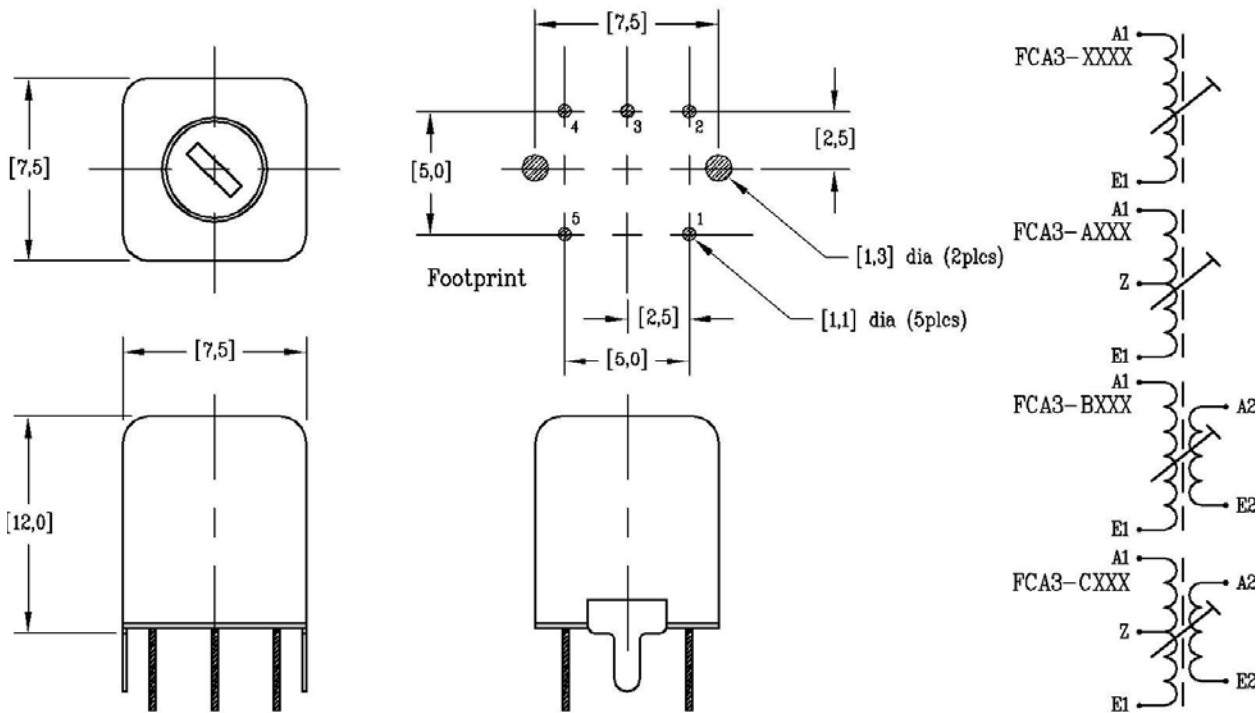
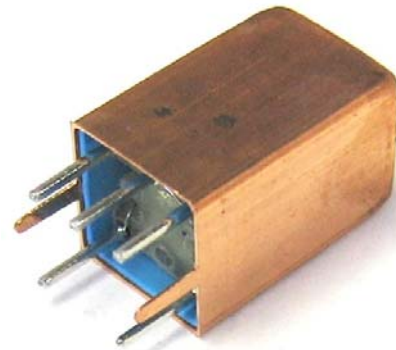


FCA3-XXXX

Adjustable RF coil

- Coils pre-adjusted to nominal “L” value
- Inductance range, 350nH – 8.4mH
- Inductance test level, 50mV
- Frequency range, 50kHz – 15MHz
- Temperature range, -25 °C to 85 °C
- Soldering temperature 235 °C, 5 seconds
- Resistance to soldering heat 260 °C, 5 seconds
- Temperature coefficient (from 25 °C to 85 °C), $\sim 100 \times 10^{-6} / ^\circ\text{K}$
- RoHS compliant per 2002/95/EC



Dash #	“L” (uH)	@ “F” (MHz)	Range (MHz)	“Q” min	@ “F” (MHz)	“A ₁ ”	“E ₁ ”	Turns A ₁ -E ₁ (#)
-0001	350 nH	10	1-15	55	10	2	1	3.75
-0002	590 nH	10	1-15	70	10	5	1	4.75
-0003	620 nH	10	1-15	70	8.4	4	2	5.75
-0004	830 nH	10	1-15	100	10.7	4	5	6.25
-0005	1.00	10	1-15	85	10	5	1	6.50
-0006	1.13	1.0	1-15	100	10	1	5	7.75
-0007	1.23	1.0	1-15	75	5.0	1	5	7.75
-0008	1.10	1.0	1-15	100	5.0	2	1	7.25

-0009	1.40	1.0	1-15	110	5.0	1	2	8.25
-0010	1.51	1.0	1-15	80	10	5	4	8.50
-0011	1.60	1.0	1-15	140	4.0	2	4	8.25
-0012	1.60	1.0	1-15	120	5.0	1	2	9.25
-0013	2.00	1.0	1-15	100	8.4	4	2	9.75
-0014	2.20	1.0	1-15	110	10	5	1	10.25
-0015	2.47	1.0	1-15	100	5.6	4	2	10.75
-0016	2.50	1.0	1-15	90	10	5	1	11.00
-0017	2.70	1.0	1-15	110	10	5	1	11.25
-0018	2.40	1.0	1-15	130	5.0	2	1	10.50
-0019	3.00	1.0	1-15	120	10	5	1	11.75
-0020	3.14	1.0	1-15	120	5.0	5	1	12.25
-0021	3.30	1.0	1-15	110	10	5	1	12.25
-0022	3.40	1.0	1-15	140	5.0	2	1	12.75
-0023	3.50	1.0	1-15	175	4.0	2	4	12.25
-0024	3.60	1.0	1-15	90	10.7	5	1	13.00
-0025	3.90	1.0	1-15	95	5.0	5	1	13.50
-0026	4.00	1.0	1-15	150	5.0	1	2	13.75
-0027	4.00	1.0	1-15	120	5.0	5	1	13.25
-0028	4.52	1.0	1-15	120	5.0	1	5	14.75
-0029	4.70	1.0	1-15	95	5.0	5	1	15.25
-0030	4.95	1.0	1-15	120	7.0	5	1	15.25
-0031	5.00	1.0	1-15	150	5.0	2	1	15.75
-0032	5.60	1.0	1-15	100	5.0	5	1	16.25
-0033	5.80	1.0	1-15	110	10.7	5	2	17.25
-0034	6.05	1.0	1-15	120	7.0	5	1	16.75
-0035	6.50	1.0	1-15	100	15	5	1	17.25
-0036	6.80	1.0	1-15	110	5.0	5	1	18.25
-0037	8.20	1.0	1-15	110	5.0	5	1	20.25
-0038	9.40	1.0	1-15	160	5.0	1	2	21.25
-0039	10	1.0	1-15	95	5.0	5	1	22.25
-0040	12	0.1	1-10	110	5.0	5	1	24.25
-0041	15	0.1	1-10	100	5.0	5	1	26.25
-0042	18	0.1	1-10	110	5.0	5	1	29.25
-0043	20	0.1	1-10	100	5.0	5	1	30.25
-0044	22	0.1	0.5-5	100	5.0	5	1	32.25
-0045	27	0.1	0.5-5	110	2.0	5	1	36.25
-0046	33	0.1	0.5-5	110	2.0	5	1	40.25
-0047	39	0.1	0.5-5	110	2.0	5	1	43.25
-0048	47	0.1	0.5-5	100	2.0	5	1	47.25
-0049	56	0.1	0.5-5	100	2.0	5	1	51.25
-0050	68	0.1	0.5-5	100	2.0	5	1	57.25
-0051	76	0.1	0.5-5	145	1.0	4	2	51.75
-0052	82	0.1	0.5-5	100	2.0	5	1	62.25
-0053	100	0.1	0.5-5	135	1.0	4	2	62.75
-0054	120	0.1	0.5-5	105	0.50	1	5	68.75
-0055	145	0.1	0.1-2	120	0.46	5	1	75.25
-0056	170	0.1	0.1-2	120	1.0	4	2	80.75
-0057	250	0.1	0.1-2	90	1.0	5	4	100
-0058	470	0.1	0.1-2	140	0.50	2	1	138
-0059	570	0.1	0.1-2	115	0.46	4	5	150
-0060	670	0.1	0.1-1	80	0.13	5	4	162
-0061	820	0.1	0.1-1	110	0.50	5	1	180
-0062	1.30 mH	0.01	0.1-1	75	0.114	4	5	226
-0063	2.10 mH	0.01	0.1-1	65	0.10	1	5	288
-0064	2.83 mH	0.01	0.05-0.5	95	0.20	5	1	336
-0065	3.29 mH	0.01	0.05-0.5	80	0.20	2	4	360
-0066	8.40 mH	0.01	0.05-0.5	85	0.20	5	1	650

Dash #	“L” (uH)	@ “F” (MHz)	Range (MHz)	“Q” min	@ “F” (MHz)	“A ₁ ”	“E ₁ ”	“Z”	Turns A ₁ -E ₁ (#)	Turns A ₁ -Z (#)	Grid (mm)
-A001	830 nH	10	1-15	85	10.7	4	5	3	6.25	2.50	2.5
-A002	975 nH	10	1-15	90	10.7	5	1	3	7.25	0.75	2.5
-A003	4.00	1	1-15	80	10.0	5	1	3	15.75	2.00	2.5
-A004	4.45	1	1-15	90	10.7	2	5	3	14.50	7.00	2.25
-A005	8.05	0.1	1-15	100	8.4	4	2	3	19.50	9.75	2.5
-A006	11.68	0.1	1-15	100	5.6	4	2	3	22.00	11.00	2.5
-A007	16.7	0.1	1-15	80	5.4	4	2	3	28.00	14.00	2.5
-A008	19.6	0.1	1-15	70	5.4	4	2	3	30.00	15.00	2.5
-A009	23.6	0.1	1-15	80	5.4	4	2	3	33.50	16.75	2.5
-A010	27.8	0.1	1-15	100	5.6	4	2	3	36.00	18.00	2.5
-A011	32.0	0.1	0.5-5	55	2.0	1	5	3	36.50	18.00	2.5
-A012	68.0	0.1	0.5-5	110	2.0	2	4	1	60.25	29.75	2.25
-A013	68.0	0.1	0.5-5	110	2.0	2	4	1	60.25	32.75	2.25
-A014	82.0	0.1	0.5-5	100	0.46	5	1	3	57.00	20.50	2.5
-A015	92.0	0.1	0.5-5	85	2.0	4	2	3	65.50	32.75	2.25
-A016	403	0.1	0.1-2	65	0.13	2	4	3	132	48.00	2.25
-A017	509	0.1	0.1-2	60	0.11	2	4	3	142	54.00	2.25
-A018	626	0.1	0.1-2	55	0.09	2	4	3	162	59.00	2.25
-A019	735	0.1	0.1-2	105	0.46	4	2	3	172	85.00	2.5
-A020	760	0.1	0.1-2	50	0.07	2	4	3	172	65.00	2.25
-A101	2.40	1.0	1-15	80	10.0	5	1	3	5.50	5.50	2.5
-A102	8.05	1.0	1-15	100	8.4	4	2	3	9.75	9.75	2.5
-A103	19.6	0.1	1-15	85	5.4	4	2	3	15.00	15.00	2.5
-A104	23.6	0.1	1-15	120	2.5	4	2	3	16.75	16.75	2.5
-A105	27.5	0.1	0.5-5	110	1.0	2	4	3	17.25	17.25	2.5
-A106	30.0	0.1	0.5-5	100	2.0	4	2	3	19.00	19.00	2.5

Dash #	“L” (uH)	@ “F” (MHz)	Range (MHz)	“Q” min	@ “F” (MHz)	“A ₁ ”	“E ₁ ”	“A ₂ ”	“E ₂ ”	Turns A ₁ -E ₁ (#)	Turns A ₂ -E ₂ (#)	Grid (mm)
-B001	370 nH	10	1-15	60	10.7	5	1	2	4	4.00	0.25	2.5
-B002	1.80	1.0	1-15	70	5.5	4	2	1	5	9.00	2.75	2.25
-B003	2.10	1.0	1-15	110	10.7	1	5	4	2	9.50	2.50	2.5
-B004	2.20	1.0	1-15	80	10.7	2	4	5	1	10.25	4.25	2.5
-B005	2.50	1.0	0.5-5	55	5.0	4	2	5	1	10.00	10.00	2.5
-B006	2.70	1.0	1-15	70	10.7	2	3	1	5	11.00	3.00	2.5
-B007	4.37	1.0	1-15	70	10.7	5	1	4	2	14.25	2.00	2.5
-B008	7.00	1.0	1-15	70	10.7	2	4	5	1	18.25	2.75	2.5
-B009	8.70	1.0	1-15	80	9.4	5	1	2	4	20.25	3.25	2.5
-B010	10.0	1.0	1-15	80	10.0	5	4	1	2	21.50	5.00	2.5
-B011	25.6	0.1	0.5-5	95	0.46	2	4	5	1	31.25	24.25	2.25
-B012	42	0.1	0.5-5	80	1.0	1	5	2	4	42.75	10.25	2.5
-B013	68	0.1	0.5-5	100	0.46	5	1	2	4	51.25	5.25	2.5
-B014	124	0.1	0.5-5	112	0.46	2	1	4	3	70.00	30.00	2.5
-B015	146	0.1	0.5-5	125	0.46	2	4	5	1	76.25	4.00	2.25
-B016	148	0.1	0.5-5	100	0.46	5	1	2	3	76.25	38.25	2.5
-B017	182	0.1	0.5-5	120	0.46	4	2	1	5	84.75	14.75	2.5
-B018	250	0.1	0.5-5	90	0.50	5	2	4	1	100.50	18.50	2.5
-B019	302	0.1	0.5-5	150	0.50	5	1	2	4	109.25	4.25	2.5
-B020	326	0.1	0.5-5	120	0.80	4	5	1	2	113.00	20.00	2.5
-B021	360	0.1	0.5-5	132	0.46	1	5	4	2	119.75	11.25	2.5
-B022	403	0.1	0.1-1	60	0.13	2	4	5	1	126.25	42.25	2.25
-B023	403	0.1	0.1-1	60	0.13	2	4	5	1	126.25	12.25	2.25
-B024	472	0.1	0.1-1	140	0.50	1	5	3	2	137.25	14.75	2.5
-B025	509	0.1	0.1-1	55	0.11	2	4	5	1	142.25	47.25	2.25
-B026	509	0.1	0.1-1	55	0.11	2	4	5	1	142.25	14.25	2.25
-B027	510	0.1	0.05-1	140	0.50	1	5	3	2	142.75	14.75	2.5
-B028	555	0.1	0.05-1	85	0.46	5	1	2	3	148.25	74.25	2.5
-B029	626	0.1	0.05-1	50	0.09	2	4	5	1	157.25	52.25	2.25
-B030	626	0.1	0.05-1	50	0.09	2	4	5	1	157.25	15.25	2.25

-B031	650	0.1	0.05-1	125	0.47	3	2	5	4	160.50	10.50	2.5
-B032	760	0.1	0.05-1	45	0.07	2	4	5	1	173.25	58.25	2.25
-B033	760	0.1	0.05-1	45	0.07	2	4	5	1	173.25	16.25	2.25
-B034	800	0.1	0.05-1	60	0.20	2	3	1	5	171.00	53.75	2.5
-B035	1.0 mH	0.1	0.05-1	60	0.12	1	5	4	2	199.75	69.75	2.5
-B036	2.5 mH	0.01	0.05-1	80	0.30	2	4	1	5	315.25	74.75	2.25
-B037	2.5 mH	0.01	0.05-1	80	0.30	2	4	5	1	315.25	57.25	2.25
-B038	3.7 mH	0.01	0.05-1	65	0.20	4	2	5	1	389.75	6.25	2.5

Dash #	"L" (uH)	@ "F" (MHz)	Range (MHz)	"Q" min	@ "F" (MHz)	"A ₁ "	"E ₁ "	"A ₂ "	"E ₂ "	"Z"	Turns A ₁ -E ₁ (#)	Turns A ₂ -E ₂ (#)	Turns A ₁ -Z (#)
-C001	0.83	10	1-15	70	10.7	4	5	1	2	3	6.25	1.50	2.50
-C002	0.94	10	1-15	70	10	4	2	1	5	3	6.75	0.75	3.75
-C003	1.90	1.0	1-15	80	10	1	3	5	4	2	9.50	0.75	5.00
-C004	2.50	1.0	1-15	65	10.7	4	3	5	1	2	10.75	4.25	7.75
-C005	2.60	1.0	1-15	70	10	5	1	4	2	3	11.00	4.75	5.50
-C006	2.80	1.0	1-15	100	10	3	2	1	5	4	11.75	0.75	9.75
-C007	3.20	1.0	1-15	80	10.7	4	2	1	5	3	12.00	1.75	6.00
-C008	5.13	1.0	1-15	75	7.0	1	5	4	2	3	15.75	10.00	5.00
-C009	5.15	1.0	1-15	75	10.7	2	4	1	5	3	14.50	0.75	7.25
-C010	8.30	1.0	1-15	65	7.0	3	4	5	1	2	20.75	1.25	6.00
-C011	15	0.1	0.5-5	100	2.0	4	2	5	1	3	24.00	5.00	12.00
-C012	18	0.1	0.5-5	45	0.50	2	4	5	1	3	27.00	43.25	13.50
-C013	68	0.1	0.5-5	95	0.46	2	4	1	5	3	52.00	6.75	26.00
-C014	75	0.1	0.1-3	70	1.0	4	2	1	5	3	57.50	6.25	28.75
-C015	82	0.1	0.1-3	100	0.46	4	3	5	1	2	56.75	18.75	16.75
-C016	120	0.1	0.1-3	70	0.46	3	4	1	5	2	88.50	2.25	44.00
-C017	125	0.1	0.1-3	80	0.46	4	2	1	5	3	70.25	35.25	35.25
-C018	225	0.1	0.1-3	110	1.0	2	4	1	5	3	94.50	24.50	88.00
-C019	340	0.1	0.1-3	115	0.46	3	4	5	1	2	121.00	4.50	116.00
-C020	375	0.1	0.1-3	115	0.46	3	2	1	5	4	121.00	4.50	101.00
-C021	375	0.1	0.1-3	115	0.46	3	2	1	5	4	121.00	4.75	88.00
-C022	670	0.1	0.1-3	100	0.50	4	2	1	5	3	163.50	64.75	53.75
-C023	775	0.1	0.1-3	80	0.46	4	2	5	1	3	175.75	8.00	30.00
-C024	1.82 mH	0.01	0.05-0.5	60	0.12	4	1	3	2	5	269.00	10.00	70.25
-C025	1.90 mH	0.01	0.05-0.5	85	0.20	2	4	1	5	3	264.00	53.75	171.00

Rev A, 12/09