

SMA1-XXXX

SMT adjustable RF coil

- Compact design
- Inductance range, 14nH – 680uH
- Frequency range, 500kHz – 200MHz
- Temperature range, -40 °C to 85 °C
- Resistance to soldering heat 260 °C, 5 seconds
- Maximum power loss @ 40 °C, 100mW
- Packaging, 16mm blisterpack

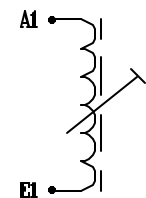
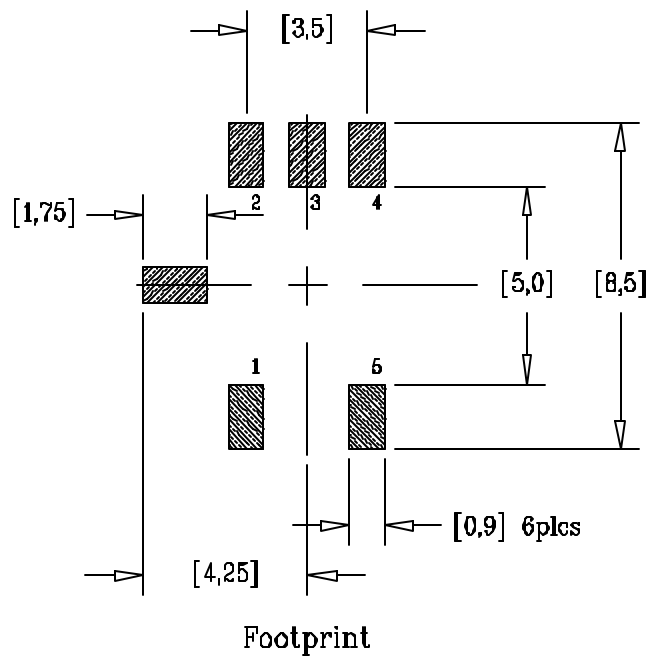
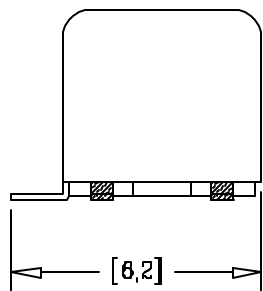
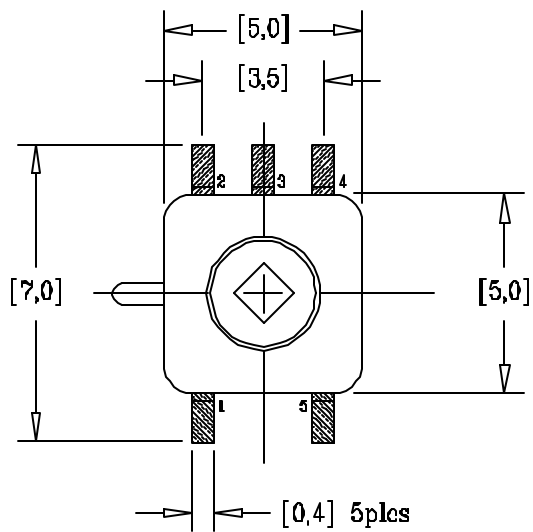


FIGURE 1

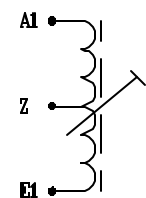


FIGURE 2

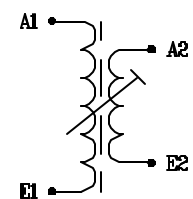


FIGURE 3

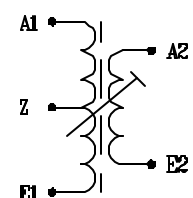


FIGURE 4

Dash #	“L” (uH)	@ “F” (MHz)	Range (MHz)	“L” Range (± %)	“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 (#)	Fig.
-0000	47 nH	10	50-200	3	38	150	4	2	-	-	-	3.25	-	-	1
-0001	56 nH	10	50-200	-6	40	150	2	4	-	-	-	3.75	-	-	1
-0002	68 nH	10	50-200	3	45	150	2	4	-	-	-	3.75	-	-	1
-0003	82 nH	10	50-200	3.5	38	150	2	4	-	-	-	4.75	-	-	1
-0004	100 nH	10	50-200	4	48	100	2	4	-	-	-	4.75	-	-	1
-0005	120 nH	10	50-200	5	32	100	2	4	-	-	-	5.75	-	-	1
-0006	150 nH	10	50-200	5	42	100	2	4	-	-	-	5.75	-	-	1
-0007	180 nH	10	50-200	5	40	100	4	2	-	-	-	6.25	-	-	1
-0008	220 nH	10	20-150	7.5	45	70	4	2	-	-	-	7.25	-	-	1
-0009	270 nH	10	20-150	7.5	35	70	2	4	-	-	-	7.75	-	-	1
-0010	330 nH	10	20-150	7.5	35	70	2	4	-	-	-	8.75	-	-	1
-0011	390 nH	10	20-150	7.5	40	70	2	4	-	-	-	9.75	-	-	1
-0012	470 nH	10	20-150	7.5	45	70	4	2	-	-	-	11.25	-	-	1
-0013	560 nH	10	20-150	7.5	42	70	2	4	-	-	-	12.75	-	-	1
-0014	680 nH	10	10-100	7.5	45	50	4	2	-	-	-	14.25	-	-	1
-0015	820 nH	10	10-100	7.5	42	50	2	4	-	-	-	15.75	-	-	1
-0016	1.0	10	2-40	7.5	42	50	4	2	-	-	-	17.25	-	-	1
-0017	1.2	10	2-40	7.5	45	20	4	2	-	-	-	19.25	-	-	1
-0018	1.5	10	2-40	7.5	45	20	4	2	-	-	-	21.25	-	-	1
-0019	1.8	10	2-40	7.5	45	20	2	4	-	-	-	23.75	-	-	1
-0020	2.2	1.0	2-40	5	45	20	2	4	-	-	-	27.75	-	-	1
-0021	2.7	1.0	2-40	5	40	20	4	2	-	-	-	30.25	-	-	1
-0022	3.3	1.0	2-40	5	35	20	4	2	-	-	-	34.25	-	-	1
-0023	3.9	1.0	2-40	5	35	10	2	4	-	-	-	34.75	-	-	1
-0024	4.7	1.0	2-40	5	35	10	2	4	-	-	-	38.75	-	-	1
-0025	5.6	1.0	2-40	5	35	10	2	4	-	-	-	41.75	-	-	1
-0026	6.8	1.0	1-10	5	30	5	4	2	-	-	-	44.25	-	-	1
-0027	8.2	1.0	1-10	5	23	5	4	2	-	-	-	48.25	-	-	1
-0028	10	1.0	1-10	5	23	5	4	2	-	-	-	55.25	-	-	1
-0029	12	1.0	1-10	5	23	5	4	2	-	-	-	61.25	-	-	1
-0030	15	0.5	1-10	5	25	5	4	2	-	-	-	67.25	-	-	1

-0100	14 nH	10	100-200	3	65	200	4	2	-	-	-	1.25	-	-	1
-0101	92 nH	10	50-200	5	40	100	4	2	-	-	-	4.25	-	-	1
-0102	117 nH	1.0	20-200	4	40	100	2	4	-	-	-	4.75	-	-	1
-0103	137 nH	10	20-150	5	35	100	4	2	-	-	-	5.25	-	-	1
-0104	170 nH	1.0	20-150	5	25	70	2	5	4	3	1	4.5	6.75	2.25	4
-0105	240 nH	1.0	20-150	5	30	70	1	5	4	2	-	7.25	5.25	-	3
-0106	240nH	1.0	20-150	+7,-4	30	70	1	5	4	2	-	7.25	3.25	-	3
-0107	750 nH	10	20-150	5	25	30	1	2	5	4	-	14.75	15.25	-	3
-0108	240 nH	13	20-150	5	30	35	1	5	-	-	-	7.25	-	-	1
-0109	850 nH	1	20-150	7.5	45	45	2	5	4	3	1	16.5	2.75	8.25	4
-0110	970 nH	13	10-100	5	40	35	4	2	1	5	-	16	2	-	3
-0111	1.00	1.0	10-100	-7.5	25	45	2	5	-	-	1	18.5	-	9.25	2
-0112	1.18	2.0	10-100	5	22	40	2	4	5	1	3	18.75	3.75	14.5	4
-0113	1.20	1.0	10-100	+16	38	20	4	2	1	5	-	20.25	4.25	-	3
-0114	1.30	1.0	10-100	7.5	30	10	5	1	-	-	-	19.75	-	-	1
-0115	1.35	0.3	10-100	5	20	26	2	4	5	1	3	18.75	9.75	9.5	4
-0116	1.79	1	1-15	+3,-11	25	12	2	4	5	1	-	22.75	4.75	-	3
-0117	2.00	0.2	5-50	5	35	21	4	2	-	-	-	25.25	-	-	1
-0118	2.15	13	5-40	7.5	45	35	1	5	-	-	-	26	-	-	1
-0119	2.50	13	5-40	7.5	40	35	1	5	-	-	-	29	-	-	1
-0120	3.00	0.2	5-40	5	30	21	2	4	-	-	3	30.75	-	9.5	2
-0121	3.10	0.2	5-40	5	32	21	4	2	-	-	-	32	-	-	1
-0122	9.00	0.1	1-10	+21,-3	18	1.6	2	4	5	1	-	55.75	11.75	-	3
-0123	19.6	0.1	1-10	+10,-1	24	5.0	4	2	-	-	-	78.25	-	-	1
-0124	28	0.1	1-10	+4,-16	18	1.8	2	4	5	1	-	95.75	18.75	-	3
-0125	32	1.0	1-10	+20	14	1.0	1	5	4	2	-	108.25	36.25	-	3
-0126	125	0.1	0.5-2	7.5	18	1.0	4	2	-	-	-	208	-	-	1
-0127	150	0.03	0.5-2	+10,-1	16	1.0	5	1	4	2	-	217.75	85.25	-	3
-0128	390	0.1	0.5-2	7.5	20	1.0	1	5	-	-	-	365	-	-	1
-0129	500	0.1	0.5-2	7.5	12	0.50	4	2	-	-	-	426	-	-	1
-0130	680	0.05	0.5-2	7.5	12	0.45	4	2	-	-	-	490	-	-	1