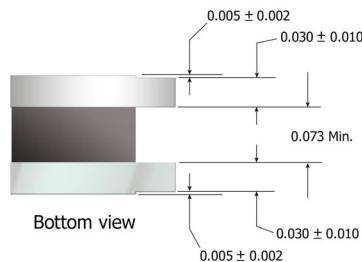
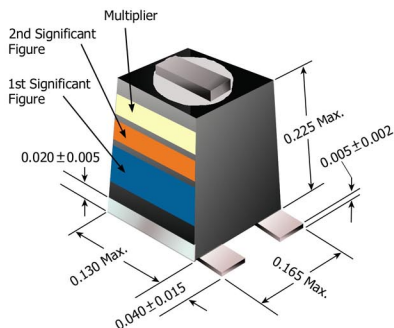


# C9000 Series

## Variable Chip Inductors



### SPECIFICATIONS

- Operating Temperature: -55 °C to +125 °C
- Standard Terminations: Phosphor bronze with tin-lead coating, welded internal connections.
- Inductance Tolerance: ±10% tighter tolerances and other inductance values on request.
- TCL: +0.018 uH to 12 uH = +140 PPM/°C;  
+15 uH to 120 uH = +300 PPM/°C
- Tuning tools: Available on request.

With Tab Terminations	Without Tab Terminations	Nom. "L" uH	Min Inductance Range uH	Test Freq MHz	Q Min @ "L" Nom.	SRF MHz	DCR Ohms	Current mA
C9001	C9048	0.018	0.016 - 0.020	150	45	1020	0.04	630
C9002	C9049	0.022	0.020 - 0.024	150	49	930	0.04	630
C9003	C9050	0.027	0.024 - 0.030	150	49	850	0.04	630
C9004	C9051	0.033	0.030 - 0.036	150	49	760	0.05	630
C9005	C9052	0.039	0.036 - 0.043	150	49	630	0.05	630
C9006	C9053	0.047	0.042 - 0.052	100	49	560	0.05	630
C9007	C9054	0.056	0.050 - 0.062	100	49	510	0.06	590
C9008	C9055	0.068	0.061 - 0.075	100	49	460	0.06	590
C9009	C9056	0.082	0.074 - 0.090	100	49	440	0.07	540
C9010	C9057	0.10	0.090 - 0.110	100	49	410	0.07	540
C9011	C9058	0.12	0.11 - 0.13	50	45	390	0.09	510
C9012	C9059	0.15	0.13 - 0.17	50	45	360	0.10	470
C9013	C9060	0.18	0.16 - 0.20	50	45	320	0.11	440
C9014	C9061	0.22	0.20 - 0.24	50	40	280	0.12	420
C9015	C9062	0.27	0.24 - 0.30	50	40	250	0.18	340
C9016	C9063	0.33	0.30 - 0.36	50	40	230	0.22	300
C9017	C9064	0.39	0.35 - 0.43	50	36	200	0.29	250
C9018	C9065	0.47	0.42 - 0.52	25	36	170	0.35	230
C9019	C9066	0.56	0.50 - 0.62	25	36	160	0.46	210
C9020	C9067	0.68	0.61 - 0.75	25	36	140	0.69	170
C9021	C9068	0.82	0.74 - 0.90	25	36	130	0.81	150
C9022	C9069	1.0	0.90 - 1.10	25	36	110	1.0	130
C9023	C9070	1.2	1.08 - 1.35	25	31	100	1.3	120
C9024	C9071	1.5	1.35 - 1.65	7.9	27	97	1.5	110
C9025	C9072	1.8	1.62 - 1.98	7.9	27	89	2.0	100
C9026	C9073	2.2	1.98 - 2.43	7.9	27	85	2.7	85
C9027	C9074	2.7	2.43 - 2.97	7.9	22	72	3.5	76
C9028	C9075	3.3	2.97 - 3.63	7.9	22	63	4.5	68
C9029	C9076	3.9	3.51 - 4.29	7.9	22	39	4.5	68
C9030	C9077	4.7	4.23 - 5.17	7.9	22	25	4.5	68
C9031	C9078	5.6	5.04 - 6.16	7.9	19	20	4.6	63
C9032	C9079	6.8	6.12 - 7.48	7.9	19	19	4.6	63
C9033	C9080	8.2	7.38 - 9.02	7.9	19	18	5.2	61
C9034	C9081	10	9.00 - 11.0	7.9	19	17	5.2	61
C9035	C9082	12	10.8 - 13.5	7.9	19	14	5.8	59
C9036	C9083	15	13.5 - 16.5	2.5	19	12	6.9	55
C9037	C9084	18	16.2 - 19.8	2.5	19	11	9.2	46
C9038	C9085	22	19.8 - 24.3	2.5	19	11	12	42
C9039	C9086	27	24.3 - 29.7	2.5	19	9	13	38
C9040	C9087	33	29.7 - 36.3	2.5	19	8	15	36
C9041	C9088	39	35.1 - 42.9	2.5	19	7	16	35
C9042	C9089	47	42.3 - 51.7	2.5	19	6	17	34
C9043	C9090	56	50.4 - 61.6	2.5	19	5	22	30
C9044	C9091	68	61.2 - 74.8	2.5	19	5	28	27
C9045	C9092	82	73.8 - 90.2	2.5	22	4	36	23
C9046	C9093	100	90 - 110	2.5	22	3	46	21
C9047	C9094	120	108 - 132	2.5	22	2	58	18

**Ordering note:** Add suffix "A" to C/ACM Part No. to specify Gold Plated terminations, "F" for Tin-Lead coated terminations.



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