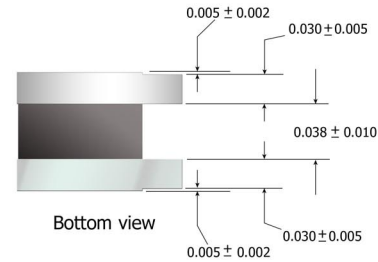
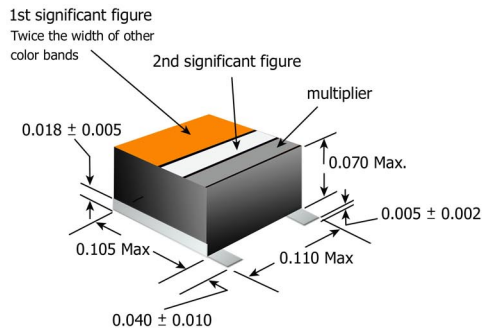


# C8000 Series

## Fixed 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:
  - Part Numbers C8001 to C8012 and C8050 to C8061: +125 PPM/°C Max.
  - Part Numbers C8013 to C8034 and C8062 to C8083: +80 PPM/°C Max.
  - Part Numbers C8035 to C8049 and C8084 To C8098: +80 PPM/°C Max.

With Tab Terminations	Without Tab Terminations	Inductance uH	Min Q	Typ Q	Test Freq. MHz	SRF MHz Min	DCR Ohms Max	Current mA Max
C8001	C8050	0.010	45	50	150	1700	0.03	630
C8002	C8051	0.012	45	50	150	1700	0.03	630
C8003	C8052	0.015	45	50	150	1530	0.05	630
C8004	C8053	0.018	45	50	150	1270	0.05	630
C8005	C8054	0.022	41	45	100	1190	0.05	630
C8006	C8055	0.027	41	45	100	1020	0.05	630
C8007	C8056	0.033	42	50	100	930	0.06	540
C8008	C8057	0.039	42	50	100	850	0.09	510
C8009	C8058	0.047	42	50	100	760	0.10	460
C8010	C8059	0.056	42	50	100	720	0.11	440
C8011	C8060	0.068	42	50	100	710	0.12	400
C8012	C8061	0.082	42	50	100	630	0.13	390
C8013	C8062	0.10	42	50	50	490	0.13	390
C8014	C8063	0.12	42	50	50	200	0.13	390
C8015	C8064	0.15	42	50	50	190	0.14	380
C8016	C8065	0.18	41	50	50	190	0.17	360
C8017	C8066	0.22	41	50	50	190	0.23	290
C8018	C8067	0.27	46	54	50	190	0.29	260
C8019	C8068	0.33	46	54	50	170	0.35	230
C8020	C8069	0.39	42	50	50	160	0.52	200
C8021	C8070	0.47	42	50	25	150	0.58	190
C8022	C8071	0.56	41	48	25	140	0.58	190
C8023	C8072	0.68	41	48	25	130	0.58	190
C8024	C8073	0.82	41	48	25	120	0.58	190
C8025	C8074	1.00	41	48	25	110	0.58	190
C8026	C8075	1.20	32	39	7.9	100	0.69	170
C8027	C8076	1.50	32	39	7.9	85	1.3	130
C8028	C8077	1.80	30	36	7.9	76	1.3	130
C8029	C8078	2.20	30	36	7.9	72	1.7	110
C8030	C8079	2.70	32	39	7.9	68	2.0	100
C8031	C8080	3.30	33	41	7.9	63	2.1	100
C8032	C8081	3.90	33	41	7.9	55	2.3	93
C8033	C8082	4.70	32	39	7.9	46	2.7	85
C8034	C8083	5.60	32	39	7.9	38	3.0	83
C8035	C8084	6.80	28	34	7.9	34	3.2	79
C8036	C8085	8.20	28	34	7.9	29	3.5	76
C8037	C8086	10.00	28	34	7.9	28	3.8	73
C8038	C8087	12.00	28	34	7.9	22	4.6	67
C8039	C8088	15.00	24	30	2.5	20	4.8	65
C8040	C8089	18.00	24	30	2.5	17	5.1	63
C8041	C8090	22	24	30	2.5	16	8.6	48
C8042	C8091	27	24	30	2.5	11	9.2	46
C8043	C8092	33	27	32	2.5	10	15	38
C8044	C8093	39	27	32	2.5	8	20	32
C8045	C8094	47	27	32	2.5	7	22	30
C8046	C8095	56	27	32	2.5	7	26	28
C8047	C8096	68	27	32	2.5	6	29	27
C8048	C8097	82	27	32	2.5	6	32	25
C8049	C8098	100	27	32	2.5	5	36	23

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



**COAST / ADVANCED CHIP MAGNETICS**

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