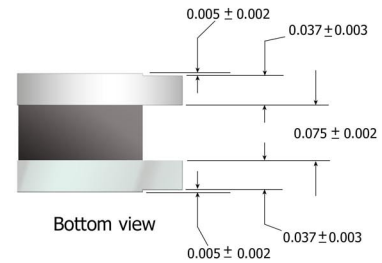
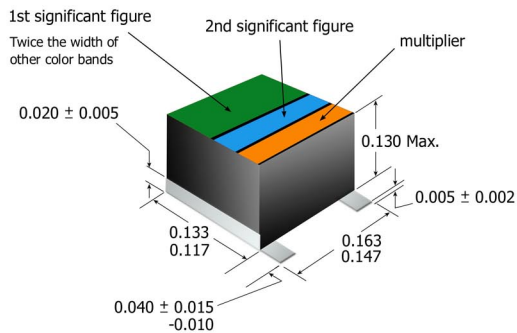


# C10000 Series

## 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 C10001 to C10028 and C10062 to C10099 : +60 PPM/°C Max.
  - Part Numbers C10029 to C10037 and C10090 to C10098: +80 PPM/°C Max. TCQ= -0.13%/°C Max.
  - Part Numbers C10038 to C10049 and C10099 to C10110: +80 PPM/°C Max.
  - Part Numbers C10050 to C10061 and C10111 to C10122: +300 PPM/°C Max.

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

With Tab Terminations	Without Tab Terminations	Inductance uH	Min Q	Typ Q	Test Freq. MHz	SRF MHz Min	DCR Ohms Max	Current mA Max
C10001	C10062	0.010	50	54	150	1700	0.05	850
C10002	C10063	0.012	59	63	150	1530	0.05	850
C10003	C10064	0.015	59	63	150	1270	0.05	850
C10004	C10065	0.018	59	63	150	1270	0.05	850
C10005	C10066	0.022	50	54	100	1100	0.06	850
C10006	C10067	0.027	50	59	100	1100	0.06	850
C10007	C10068	0.033	50	59	100	850	0.06	850
C10008	C10069	0.039	50	59	100	850	0.07	760
C10009	C10070	0.047	54	63	100	680	0.07	760
C10010	C10071	0.056	54	63	100	640	0.07	760
C10011	C10072	0.068	54	63	100	590	0.09	710
C10012	C10073	0.082	54	63	100	550	0.09	710
C10013	C10074	0.10	54	65	50	480	0.09	710
C10014	C10075	0.12	54	65	50	440	0.09	710
C10015	C10076	0.15	63	74	50	340	0.10	670
C10016	C10077	0.18	63	74	50	300	0.10	670
C10017	C10078	0.22	59	65	50	270	0.10	670
C10018	C10079	0.27	59	65	50	220	0.12	590
C10019	C10080	0.33	59	65	50	200	0.12	590
C10020	C10081	0.39	59	65	50	180	0.12	590
C10021	C10082	0.47	59	65	25	160	0.17	500
C10022	C10083	0.56	59	69	25	140	0.22	430
C10023	C10084	0.68	59	70	25	130	0.30	360
C10024	C10085	0.82	63	71	25	120	0.35	340
C10025	C10086	1.0	63	74	25	110	0.40	320
C10026	C10087	1.2	54	61	7.9	100	0.52	280
C10027	C10088	1.5	54	61	7.9	93	0.66	240
C10028	C10089	1.8	54	61	7.9	85	0.83	220
C10029	C10090	2.2	54	61	7.9	68	1.0	190
C10030	C10091	2.7	54	61	7.9	51	1.3	170
C10031	C10092	3.3	50	56	7.9	42	1.4	170
C10032	C10093	3.9	50	56	7.9	38	1.6	150
C10033	C10094	4.7	50	56	7.9	35	1.8	140
C10034	C10095	5.6	54	63	7.9	34	2.1	130
C10035	C10096	6.8	54	63	7.9	31	2.8	110
C10036	C10097	8.2	54	63	7.9	28	3.5	110
C10037	C10098	10.0	54	63	7.9	24	4.0	100
C10038	C10099	12.0	47	54	2.5	22	4.1	100
C10039	C10100	15.0	47	54	2.5	18	4.3	97
C10040	C10101	18.0	47	54	2.5	14	4.4	96
C10041	C10102	22	47	54	2.5	13	4.5	96
C10042	C10103	27	51	60	2.5	12	4.6	93
C10043	C10104	33	51	60	2.5	11	5.8	85
C10044	C10105	39	51	60	2.5	11	8.1	71
C10045	C10106	47	51	59	2.5	10	9.2	67
C10046	C10107	56	51	59	2.5	9.3	12	59
C10047	C10108	68	51	59	2.5	8.5	13	56
C10048	C10109	82	47	54	2.5	7.6	14	54
C10049	C10110	100	47	54	2.5	6.8	15	52
C10050	C10111	120	29	36	0.79	5.9	16	50
C10051	C10112	150	29	36	0.79	5.1	19	47
C10052	C10113	180	29	36	0.79	4.2	21	44
C10053	C10114	220	29	36	0.79	3.4	28	38
C10054	C10115	270	29	36	0.79	2.8	29	37
C10055	C10116	330	29	36	0.79	2.6	33	34
C10056	C10117	390	27	33	0.79	2.4	37	33
C10057	C10118	470	27	33	0.79	2.0	40	31
C10058	C10119	560	27	33	0.79	1.7	52	28
C10059	C10120	680	27	32	0.79	1.6	63	25
C10060	C10121	820	23	28	0.79	1.5	81	22
C10061	C10122	1000	23	28	0.79	1.4	92	21



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