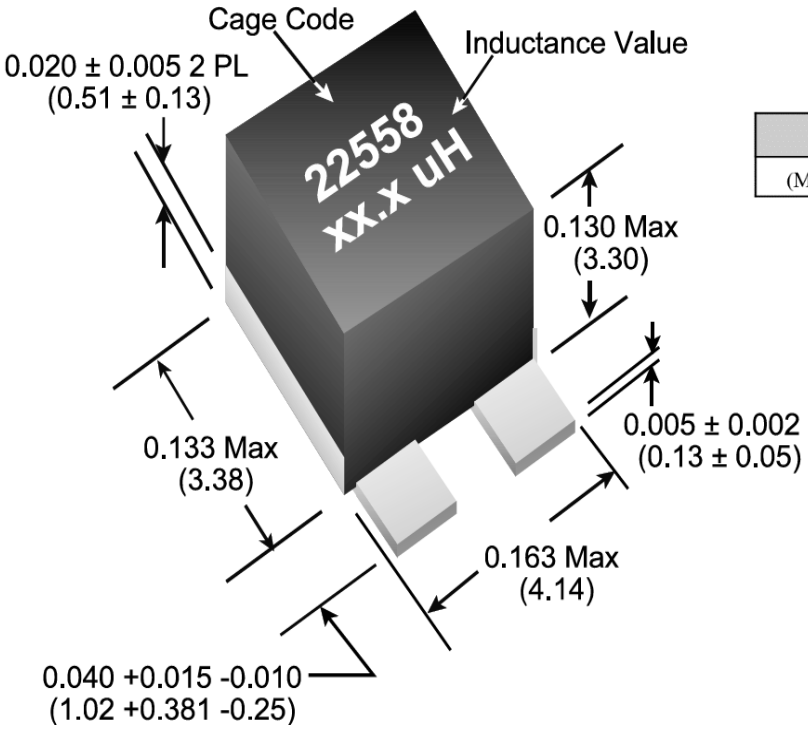
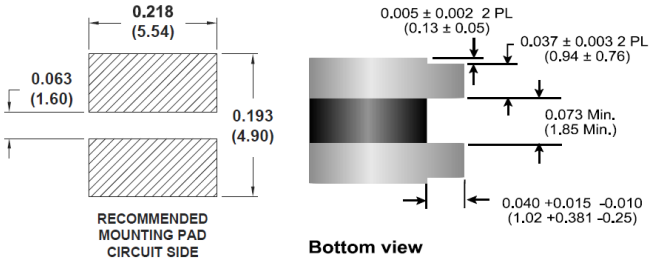
Fixed Chip Inductors – C10000 Series



Inches
(Millimeters)



SPECIFICATIONS

- **Inductance:** 0.010 µH to 1000 µH
- **Standard Tolerance:** ±10%
- **Operating Temperature:** -55°C to +125°C
- **Storage Temperature:** -60°C to +130°C
- **Standard Termination Finish:** Tin-lead
- **Weight:** 0.5 gram, maximum

FEATURES

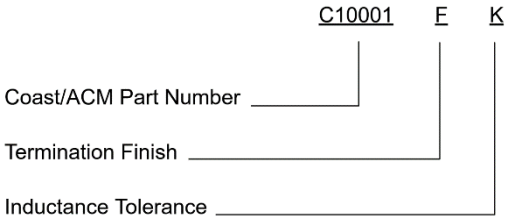
- Transfer Molded Package
- Laser Marking
- Leadless device for minimum footprint
- Internal Welded Terminations
- Low EMI Radiation
- Low Thermal Expansion permits mounting on most substrate materials
- Termination Finish Options available (additional charge)
- Tighter Tolerances available (additional charge)
- Tape and Reel Packaging Available (additional charge)
  Full Reel Quantity (Tabs): 600 pieces
  Full Reel Quantity (No Tabs): 650 pieces
- Available for Military Application per MIL-PRF-83446 (see 10000 Series)
- Available for Space Application per MIL-STD-981 (see S10000 Series)

APPLICATIONS

Designed for optimal performance in commercial applications, these inductors ensure consistent electrical behavior, maintaining signal integrity and reducing interference.

Suitable for telecommunications, consumer electronics, and industrial automation, they offer both reliability and precision. Robust construction ensures longevity, positioning these inductors as a preferred choice for diverse commercial endeavors.

PART IDENTIFYING NUMBER



F: Termination Finish
A: Gold *F: Tin-lead*

K: Inductance Tolerance
M: ±20% *K: ±10%* *J: ±5%* *H: ±3%* *G: ±2%* *F: ±1%*

Fixed Chip Inductors – C10000 Series

With Tabs C/ACM P/N	Without Tabs C/ACM P/N	Inductance (µH)	Test Frequency (MHz)	Q (min)	Q Typ	SRF (min) MHz	DCR (max) ohms	Current (max) mA
C10001	10062	0.010 ±10%	150	60	65	2000	.04	1000
C10002	10063	0.012 ±10%	150	70	82	1800	.04	1000
C10003	10064	0.015 ±10%	150	75	87	1500	.04	1000
C10004	10065	0.018 ±10%	150	75	87	1500	.04	1000
C10005	10066	0.022 ±10%	100	60	65	1300	.05	1000
C10006	10067	0.027 ±10%	100	60	70	1300	.05	1000
C10007	10068	0.033 ±10%	100	60	70	1000	.05	1000
C10008	10069	0.039 ±10%	100	60	70	1000	.06	900
C10009	10070	0.047 ±10%	100	65	75	800	.06	900
C10010	10071	0.056 ±10%	100	65	75	760	.06	900
C10011	10072	0.068 ±10%	100	65	75	700	.07	840
C10012	10073	0.082 ±10%	100	65	75	650	.07	840
C10013	10074	0.100 ±10%	50	65	77	570	.07	840
C10014	10075	0.120 ±10%	50	65	77	520	.07	840
C10015	10076	0.150 ±10%	50	75	87	400	.08	790
C10016	10077	0.180 ±10%	50	75	87	360	.08	790
C10017	10078	0.220 ±10%	50	70	80	320	.08	790
C10018	10079	0.270 ±10%	50	70	80	270	.10	700
C10019	10080	0.330 ±10%	50	70	80	240	.10	700
C10020	10081	0.390 ±10%	50	70	80	220	.10	700
C10021	10082	0.470 ±10%	25	70	80	190	.14	590
C10022	10083	0.560 ±10%	25	70	82	170	.19	510
C10023	10084	0.680 ±10%	25	70	83	160	.26	430
C10024	10085	0.820 ±10%	25	75	84	150	.30	400
C10025	10086	1.00 ±10%	25	75	87	130	.34	380
C10026	10087	1.20 ±10%	7.9	65	73	120	.45	330
C10027	10088	1.50 ±10%	7.9	65	73	110	.57	290
C10028	10089	1.80 ±10%	7.9	65	73	100	.72	260
C10029	10090	2.20 ±10%	7.9	65	73	80	.9	230
C10030	10091	2.70 ±10%	7.9	65	73	60	1.1	210
C10031	10092	3.30 ±10%	7.9	60	70	50	1.2	200
C10032	10093	3.90 ±10%	7.9	60	70	45	1.4	180
C10033	10094	4.70 ±10%	7.9	60	70	42	1.6	170
C10034	10095	5.60 ±10%	7.9	65	75	40	1.8	160
C10035	10096	6.80 ±10%	7.9	65	75	37	2.4	140
C10036	10097	8.20 ±10%	7.9	65	75	34	3.0	130
C10037	10098	10.0 ±10%	7.9	65	75	29	3.5	120
C10038	10099	12.0 ±10%	2.5	60	70	27	3.6	118
C10039	10100	15.0 ±10%	2.5	60	70	22	3.7	115
C10040	10101	18.0 ±10%	2.5	60	72	17	3.8	114
C10041	10102	22.0 ±10%	2.5	60	72	16	3.9	113
C10042	10103	27.0 ±10%	2.5	65	75	15	4.0	110
C10043	10104	33.0 ±10%	2.5	65	75	14	5.0	100
C10044	10105	39.0 ±10%	2.5	65	75	13	7.0	84
C10045	10106	47.0 ±10%	2.5	70	78	12	8.0	79
C10046	10107	56.0 ±10%	2.5	70	78	11	10.0	70
C10047	10108	68.0 ±10%	2.5	65	75	10	11.0	67
C10048	10109	82.0 ±10%	2.5	60	72	9	12.0	64
C10049	10110	100.0 ±10%	2.5	60	70	8	13.0	62
C10050	10111	120.0 ±10%	0.79	40	48	7	14.0	59
C10051	10112	150.0 ±10%	0.79	40	48	6	16.0	56
C10052	10113	180.0 ±10%	0.79	40	48	5	18.0	52
C10053	10114	220.0 ±10%	0.79	40	48	4	24.0	45
C10054	10115	270.0 ±10%	0.79	40	48	3.3	25.0	44
C10055	10116	330.0 ±10%	0.79	40	48	3.1	29.0	41
C10056	10117	390.0 ±10%	0.79	40	48	2.9	32.0	39
C10057	10118	470.0 ±10%	0.79	35	45	2.4	35.0	37
C10058	10119	560.0 ±10%	0.79	35	45	2.1	45.0	33
C10059	10120	680.0 ±10%	0.79	35	40	1.9	55.0	30
C10060	10121	820.0 ±10%	0.79	30	36	1.8	70.0	26
C10061	10122	1000.0 ±10%	0.79	30	36	1.7	80.0	25