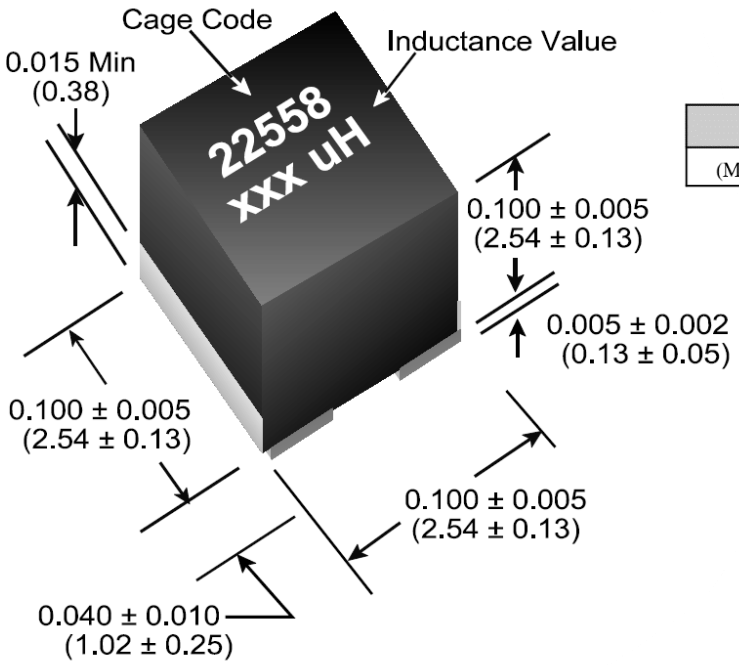
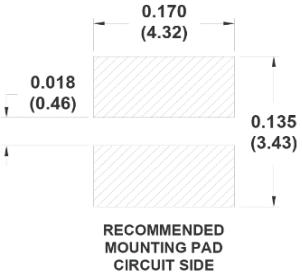
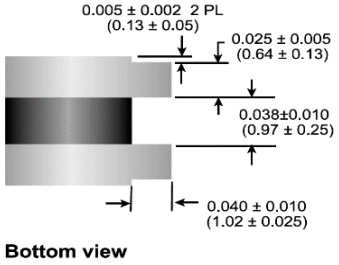
Fixed Chip Inductors – C13000 Series



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:** 0.02 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 (No Tabs): 2000 pieces
- Available for Military Application per MIL-PRF-83446 (see 13000 Series)
- Available for Space Application per MIL-STD-981 (see S13000 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

C13001 F K

Coast/ACM Part Number

Termination Finish

Inductance Tolerance

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 – C13000 Series

C/ACM P/N	Inductance (µH)	Test Frequency (MHz)	Q (min)	Q Typ	SRF (min) MHz	DCR (max) ohms	Rated Current Max (mA)	Incremental Current (mA)
C13001	0.010 ±10%	200	45	60	1200	.020	750	----
C13002	0.012 ±10%	200	45	60	1200	.025	750	----
C13003	0.015 ±10%	200	45	60	1200	.035	750	----
C13004	0.018 ±10%	200	45	60	1200	.040	750	----
C13005	0.022 ±10%	200	45	60	1000	.045	750	----
C13006	0.027 ±10%	200	45	55	1000	.050	750	----
C13007	0.033 ±10%	200	45	55	1000	.055	640	----
C13008	0.039 ±10%	200	45	55	1000	.060	600	----
C13009	0.047 ±10%	100	45	50	1000	.065	550	----
C13010	0.056 ±10%	100	45	50	1000	.060	520	----
C13011	0.068 ±10%	100	40	45	800	.060	480	----
C13012	0.082 ±10%	100	35	40	800	.080	470	----
C13013	0.100 ±10%	25.0	35	40	750	.160	460	----
C13014	0.120 ±10%	25.0	35	40	700	.170	455	----
C13015	0.150 ±10%	25.0	35	40	650	.190	450	----
C13016	0.180 ±10%	25.0	35	40	600	.200	430	----
C13017	0.220 ±10%	25.0	35	40	550	.300	350	----
C13018	0.270 ±10%	25.0	35	40	480	.350	310	----
C13019	0.330 ±10%	25.0	35	40	400	.720	280	----
C13020	0.390 ±10%	25.0	35	40	380	.80	250	----
C13021	0.470 ±10%	25.0	35	40	350	1.26	230	----
C13022	0.560 ±10%	25.0	35	40	330	1.30	220	----
C13023	0.680 ±10%	25.0	35	40	300	1.40	210	----
C13024	0.820 ±10%	25.0	35	40	250	1.50	200	----
C13025	1.00 ±10%	25.0	35	40	220	1.60	200	----
C13026	1.20 ±10%	7.90	32	40	200	1.70	200	----
C13027	1.50 ±10%	7.90	32	40	175	2.00	190	----
C13028	1.80 ±10%	7.90	32	40	150	2.00	185	----
C13029	2.20 ±10%	7.90	32	40	95	2.00	180	----
C13030	2.70 ±10%	7.90	30	35	85	2.00	175	----
C13031	3.30 ±10%	7.90	30	35	70	2.00	170	----
C13032	3.90 ±10%	7.90	30	35	60	2.10	165	----
C13033	4.70 ±10%	7.90	30	35	50	2.30	165	----
C13034	5.60 ±10%	7.90	30	35	40	2.50	165	----
C13035	6.80 ±10%	7.90	30	35	30	2.50	165	----
C13036	8.20 ±10%	7.90	27	32	22	2.50	120	----
C13037	10.0 ±10%	7.90	35	40	20	2.90	105	58
C13038	12.0 ±10%	2.50	35	40	15	3.00	91	53
C13039	15.0 ±10%	2.50	35	40	13	3.00	87	50
C13040	18.0 ±10%	2.50	35	40	12	3.20	81	46
C13041	22.0 ±10%	2.50	35	40	10	4.00	77	37
C13042	27.0 ±10%	2.50	35	40	9.0	4.00	73	34
C13043	33.0 ±10%	2.50	35	40	9.0	4.50	69	32
C13044	39.0 ±10%	2.50	35	40	6.5	5.00	65	29
C13045	47.0 ±10%	2.50	35	40	6.2	5.70	63	29
C13046	56.0 ±10%	2.50	35	40	6.0	6.00	60	28
C13047	68.0 ±10%	2.50	35	40	5.8	6.70	57	26
C13048	82.0 ±10%	2.50	30	40	5.2	7.50	55	23
C13049	100.0 ±10%	2.50	30	35	4.0	13.0	50	20
C13050	120 ±10%	0.790	28	30	4.0	14.0	40	20
C13051	150 ±10%	0.790	28	30	3.9	18.0	36	20
C13052	180 ±10%	0.790	28	30	3.5	20.0	33	19
C13053	220 ±10%	0.790	28	30	3.2	21.0	28	18
C13054	270 ±10%	0.790	20	25	3.1	25.0	25	17
C13055	330 ±10%	0.790	20	25	2.8	37.0	20	16
C13056	390 ±10%	0.790	20	25	2.5	39.0	17	16
C13057	470 ±10%	0.790	20	25	2.3	45.0	15	15
C13058	560 ±10%	0.790	20	25	2.2	57.0	13	14
C13059	680 ±10%	0.790	20	25	2.1	62.0	12	13
C13060	820 ±10%	0.790	18	20	2.1	78.0	11	11
C13061	1000 ±10%	0.790	10	15	1.1	96.0	10	10