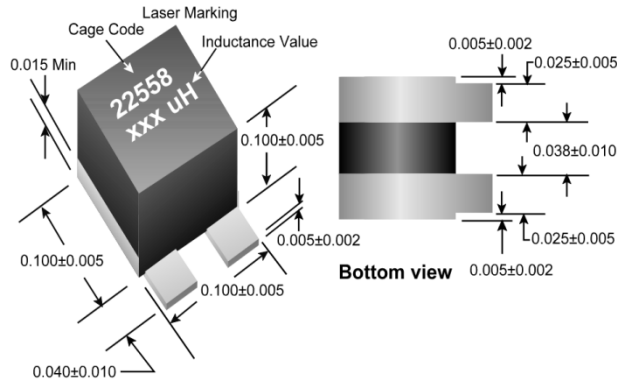


# C13000 Series

## Fixed Chip Inductor



Tape & Reel (additional charge)	
Type	Reel (Qty)
No Tabs	2000

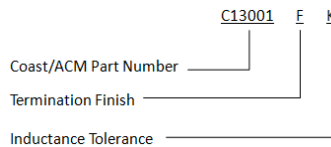
### SPECIFICATIONS

- Leadless device for minimum footprint
- Low EMI Radiation
- Low Thermal Expansion permits mounting on most substrate materials

### FEATURES

- Operating temperature range: -55°C to 125°C
- Weight: 0.02 ounce maximum
- Military Application: Available to MIL-PRF-83446/MIL-PRF-27
- Space Application: Available to MIL-STD-981

#### Part or Identifying Number (PIN):



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

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

C/ACM P/N	Inductance ±10% (μH)	Q Min	Q Typ	Test Freq (MHz)	SRF Min (MHz)	DCR Max (Ω)	Rated Current Max (mA)	Incremental Current (mA)
S13001	0.010	45	60	200	1200	0.020	750	----
S13002	0.012	45	60	200	1200	0.025	750	----
S13003	0.015	45	60	200	1200	0.035	750	----
S13004	0.018	45	60	200	1200	0.040	750	----
S13005	0.022	45	60	200	1000	0.045	750	----
S13006	0.027	45	55	200	1000	0.050	750	----
S13007	0.033	45	55	200	1000	0.055	640	----
S13008	0.039	45	55	200	1000	0.060	600	----
S13009	0.047	45	50	100	1000	0.065	550	----
S13010	0.056	45	50	100	1000	0.060	520	----
S13011	0.068	40	45	100	800	0.060	480	----
S13012	0.082	35	40	100	800	0.080	470	----
S13013	0.100	35	40	25.0	750	0.160	460	----
S13014	0.120	35	40	25.0	700	0.170	455	----
S13015	0.150	35	40	25.0	650	0.190	450	----
S13016	0.180	35	40	25.0	600	0.200	430	----
S13017	0.220	35	40	25.0	550	0.300	350	----
S13018	0.270	35	40	25.0	480	0.350	310	----
S13019	0.330	35	40	25.0	400	0.720	280	----
S13020	0.390	35	40	25.0	380	0.80	250	----
S13021	0.470	35	40	25.0	350	1.26	230	----
S13022	0.560	35	40	25.0	330	1.30	220	----
S13023	0.680	35	40	25.0	300	1.40	210	----
S13024	0.820	35	40	25.0	250	1.50	200	----
S13025	1.0	35	40	25.0	220	1.60	200	----
S13026	1.2	32	40	7.90	200	1.70	200	----
S13027	1.5	32	40	7.90	175	2.00	190	----
S13028	1.8	32	40	7.90	150	2.00	185	----
S13029	2.2	32	40	7.90	95	2.00	180	----
S13030	2.7	30	35	7.90	85	2.00	175	----
S13031	3.3	30	35	7.90	70	2.00	170	----
S13032	3.9	30	35	7.90	60	2.10	165	----
S13033	4.7	30	35	7.90	50	2.30	165	----
S13034	5.6	30	35	7.90	40	2.50	165	----
S13035	6.8	30	35	7.90	30	2.50	165	----
S13036	8.2	27	32	7.90	22	2.50	120	----
S13037	10	35	40	7.90	20	2.90	105	58
S13038	12	35	40	7.90	15	3.00	91	53
S13039	15	35	40	7.90	13	3.00	87	50
S13040	18	35	40	2.50	12	3.20	81	46
S13041	22	35	40	2.50	10	4.00	77	37
S13042	27	35	40	2.50	9.0	4.00	73	34
S13043	33	35	40	2.50	9.0	4.50	69	32
S13044	39	35	40	2.50	6.5	5.00	65	29
S13045	47	35	40	2.50	6.2	5.70	63	29
S13046	56	35	40	2.50	6.0	6.00	60	28
S13047	68	35	40	2.50	5.8	6.70	57	26
S13048	82	30	40	2.50	5.2	7.50	55	23
S13049	100	30	35	2.50	4.0	13.0	50	20



Coast / Advanced Chip Magnetics  
4225 Spencer Street, Torrance CA 90503 · Phone 310-370-8188 · Fax 310-370-8388  
Web: www.coastacm.com · Email: sales@coastacm.com

C/ACM P/N	Inductance ( $\mu$ H)	Q Min	Q Typ	Test Freq (MHz)	SRF Min (MHz)	DCR Max ( $\Omega$ )	Rated Current Max (mA)	Incremental Current (mA)
S13050	120	28	30	0.790	4.0	14.0	40	20
S13051	150	28	30	0.790	3.9	18.0	36	20
S13052	180	28	30	0.790	3.5	20.0	33	19
S13053	220	28	30	0.790	3.2	21.0	28	18
S13054	270	20	25	0.790	3.1	25.0	25	17
S13055	330	20	25	0.790	2.8	37.0	20	16
S13056	390	20	25	0.790	2.5	39.0	17	16
S13057	470	20	25	0.790	2.3	45.0	15	15
S13058	560	20	25	0.790	2.2	57.0	13	14
S13059	680	20	25	0.790	2.1	62.0	12	13
S13060	820	18	20	0.790	2.1	78.0	11	11
S13061	1000	10	15	0.790	1.1	96.0	10	10



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