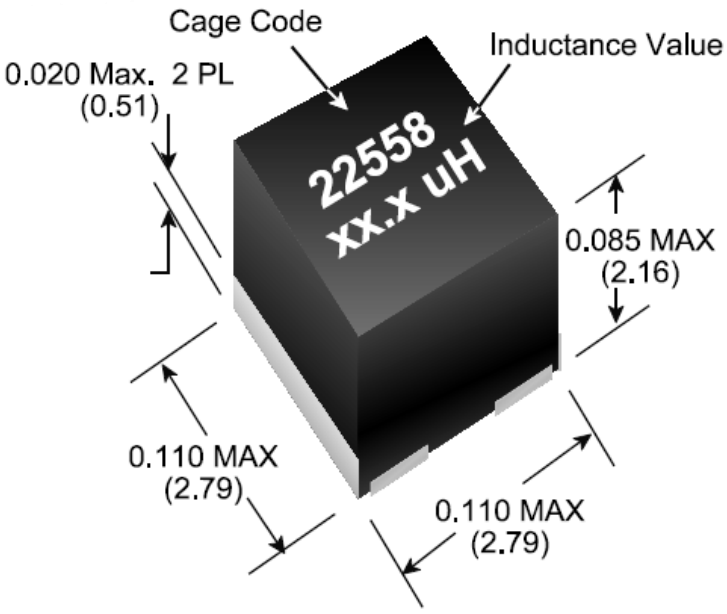
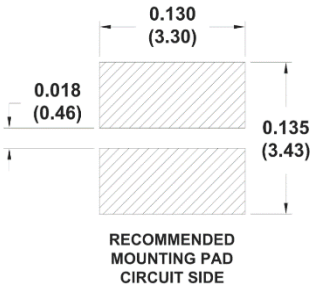
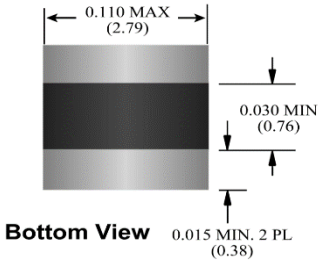
Fixed Chip Inductors – C4000 Series



Inches
(Millimeters)





SPECIFICATIONS

- **Inductance:** 0.010 µH to 27 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: 2000 pieces
- Available for Military Application per MIL-PRF-83446 (see 4000 Series)
- Available for Space Application per MIL-STD-981 (see S4000 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

C4001 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 – C4000 Series

C/ACM P/N	Inductance (µH)	Test Frequency (MHz)	Q (min)	SRF (min) MHz	DCR (max) ohms	Current (max) mA
C4001	0.12 ±10%	25	30	750	.125	880
C4002	0.15 ±10%	25	25	650	.175	745
C4003	0.18 ±10%	25	25	550	.200	695
C4004	0.22 ±10%	25	25	450	.220	665
C4005	0.27 ±10%	25	25	375	.230	650
C4006	0.33 ±10%	25	25	300	.235	645
C4007	0.39 ±10%	25	22	235	.240	635
C4008	0.47 ±10%	25	22	215	.260	610
C4009	0.56 ±10%	25	22	195	.278	590
C4010	0.68 ±10%	25	22	175	.520	435
C4011	0.82 ±10%	25	22	160	.530	430
C4012	1.0 ±10%	25	22	145	.540	425
C4013	1.2 ±10%	7.9	22	130	.740	360
C4014	1.5 ±10%	7.9	22	115	.840	340
C4015	1.8 ±10%	7.9	22	105	.920	325
C4016	2.2 ±10%	7.9	22	85	1.00	310
C4017	2.7 ±10%	7.9	24	77	1.15	290
C4018	3.3 ±10%	7.9	24	70	1.40	260
C4019	3.9 ±10%	7.9	24	68	1.55	250
C4020	4.7 ±10%	7.9	24	60	1.80	230
C4021	5.6 ±10%	7.9	22	55	2.00	220
C4022	6.8 ±10%	7.9	22	50	2.20	210
C4023	8.2 ±10%	7.9	22	48	2.50	195
C4024	10.0 ±10%	7.9	24	40	3.45	165
C4025	12.0 ±10%	2.5	25	35	3.80	160
C4026	15.0 ±10%	2.5	25	30	5.60	135
C4027	18.0 ±10%	2.5	25	28	5.80	130
C4028	22.0 ±10%	2.5	25	25	6.40	125
C4029	27.0 ±10%	2.5	25	22	6.90	120
C4030	0.010 ±20%	50	60	2700	.060	1270
C4031	0.015 ±20%	50	55	2200	.078	1110
C4032	0.022 ±20%	50	50	1800	.108	950
C4033	0.033 ±20%	50	48	1450	.120	900
C4034	0.047 ±20%	50	42	1220	.145	820
C4035	0.068 ±20%	50	36	1000	.195	705
C4036	0.100 ±20%	50	32	830	.230	650
C4037	0.010 ±10%	50	60	2700	.060	1270
C4038	0.012 ±10%	50	57	2450	.069	1190
C4039	0.015 ±10%	50	55	2200	.078	1110
C4040	0.018 ±10%	50	52	2000	.093	1030
C4041	0.022 ±10%	50	50	1800	.108	950
C4042	0.027 ±10%	50	49	1625	.114	925
C4043	0.033 ±10%	50	48	1450	.120	900
C4044	0.039 ±10%	50	45	1335	.133	860
C4045	0.047 ±10%	50	42	1220	.145	820
C4046	0.056 ±10%	50	39	1110	.170	760
C4047	0.068 ±10%	50	36	1000	.195	705
C4048	0.082 ±10%	50	34	915	.212	675
C4049	0.100 ±10%	50	32	830	.230	650