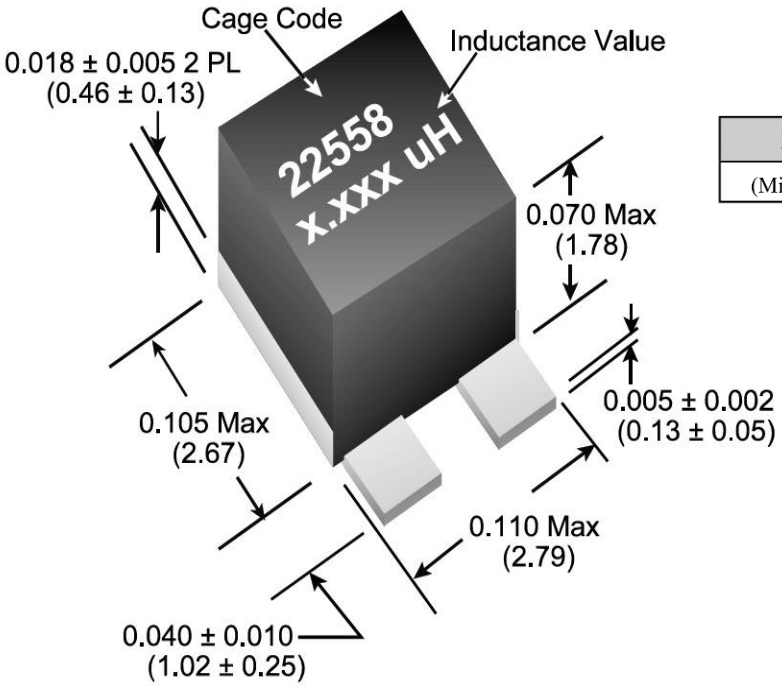
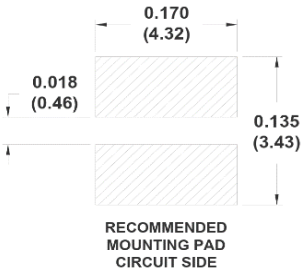
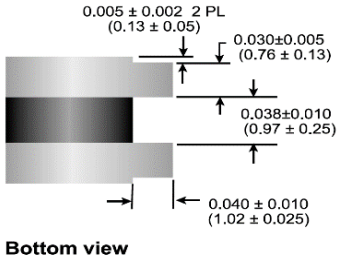
Fixed Chip Inductors – C8000 Series



Inches
(Millimeters)





SPECIFICATIONS

- **Inductance:** 0.010 µH to 100 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): 1800 pieces
  Full Reel Quantity (No Tabs): 2000 pieces
- Available for Military Application per MIL-PRF-83446 (see 8000 Series)
  Available for Space Application per MIL-STD-981 (see S8000 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

C8001 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 – C8000 Series

C	Without Tabs	Inductance (µH)	Test Frequency (MHz)	Q (min)	Q Typ	SRF (min) MHz	DCR (max) ohms	Current (max) mA
C/ACM P/N	C/ACM P/N							
8001	C8050	0.010 ±10%	150	50	55	2000	.025	750
8002	C8051	0.012 ±10%	150	50	55	2000	.025	750
8003	C8052	0.015 ±10%	150	50	55	1800	.040	750
8004	C8053	0.018 ±10%	150	50	55	1500	.040	750
8005	C8054	0.022 ±10%	100	45	50	1400	.040	750
8006	C8055	0.027 ±10%	100	45	50	1200	.040	750
8007	C8056	0.033 ±10%	100	47	55	1100	.050	640
8008	C8057	0.039 ±10%	100	47	55	1000	.07	600
8009	C8058	0.047 ±10%	100	47	55	900	.08	550
8010	C8059	0.056 ±10%	100	47	55	850	.09	520
8011	C8060	0.068 ±10%	100	47	55	840	.10	480
8012	C8061	0.082 ±10%	100	47	55	750	.11	470
8013	C8062	0.100 ±10%	50	47	55	580	.11	470
8014	C8063	0.120 ±10%	50	47	55	240	.11	470
8015	C8064	0.150 ±10%	50	47	55	230	.12	450
8016	C8065	0.180 ±10%	50	51	60	230	.14	430
8017	C8066	0.220 ±10%	50	51	60	230	.20	350
8018	C8067	0.270 ±10%	50	51	60	230	.25	310
8019	C8068	0.330 ±10%	50	51	60	200	.30	280
8020	C8069	0.390 ±10%	50	47	55	190	.45	240
8021	C8070	0.470 ±10%	25	47	55	180	.50	230
8022	C8071	0.560 ±10%	25	45	53	170	.50	230
8023	C8072	0.680 ±10%	25	45	53	160	.50	230
8024	C8073	0.820 ±10%	25	45	53	150	.50	230
8025	C8074	1.00 ±10%	25	45	53	130	.50	230
8026	C8075	1.20 ±10%	7.9	36	43	120	.60	200
8027	C8076	1.50 ±10%	7.9	36	43	100	1.1	160
8028	C8077	1.80 ±10%	7.9	38	45	90	1.1	160
8029	C8078	2.20 ±10%	7.9	38	45	85	1.5	130
8030	C8079	2.70 ±10%	7.9	41	48	80	1.7	125
8031	C8080	3.30 ±10%	7.9	42	50	75	1.8	120
8032	C8081	3.90 ±10%	7.9	42	50	65	2.0	110
8033	C8082	4.70 ±10%	7.9	41	48	55	2.3	100
8034	C8083	5.60 ±10%	7.9	41	48	45	2.6	98
8035	C8084	6.80 ±10%	7.9	36	43	40	2.8	94
8036	C8085	8.20 ±10%	7.9	36	43	35	3.0	90
8037	C8086	10.0 ±10%	7.9	36	43	33	3.3	87
8038	C8087	12.0 ±10%	7.9	36	43	26	4.0	79
8039	C8088	15.0 ±10%	2.5	32	38	24	4.2	79
8040	C8089	18.0 ±10%	2.5	32	38	21	4.4	75
8041	C8090	22.0 ±10%	2.5	32	38	19	7.5	57
8042	C8091	27.0 ±10%	2.5	32	38	14	8.0	55
8043	C8092	33.0 ±10%	2.5	30	35	12	13.0	45
8044	C8093	39.0 ±10%	2.5	30	35	10	17.0	38
8045	C8094	47.0 ±10%	2.5	30	35	9.0	19.0	36
8046	C8095	56.0 ±10%	2.5	30	35	8.5	23.0	33
8047	C8096	68.0 ±10%	2.5	30	35	8.2	25.0	32
8048	C8097	82.0 ±10%	2.5	30	35	8.0	28.0	30
8049	C8098	100.0 ±10%	2.5	30	35	7.0	31.0	28