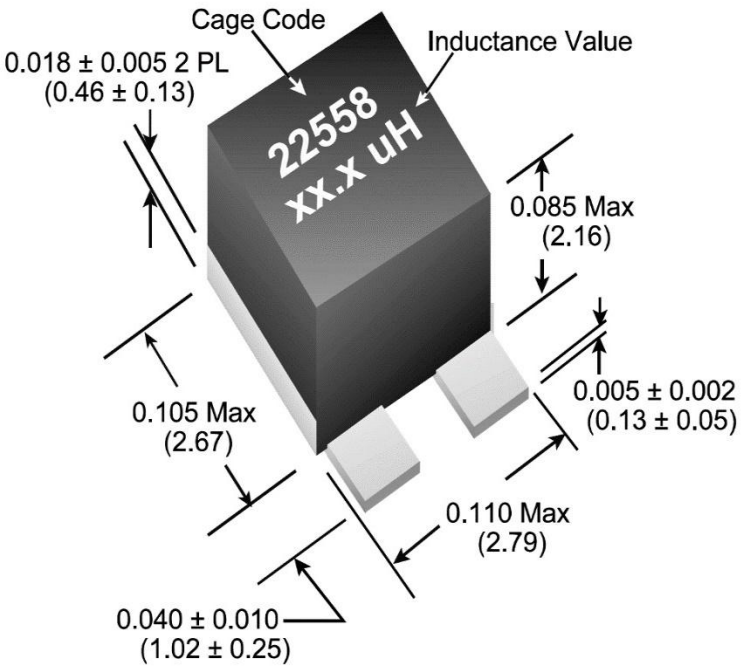
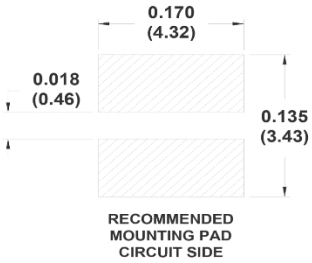
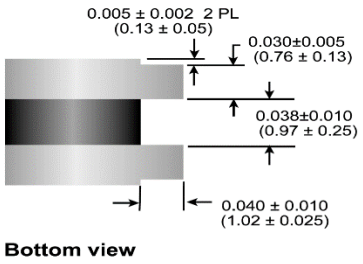
Fixed Chip Inductors – C5000 Series



Inches
(Millimeters)





SPECIFICATIONS

- **Inductance:** 0.010 µH to 10 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 5000 Series)
- Available for Space Application per MIL-STD-981 (see S5000 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

C5001 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 – 5000 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
C5001	C5038	0.010 ±10%	150	50	55	2000	.025	750
C5002	C5039	0.012 ±10%	150	50	55	2000	.025	750
C5003	C5040	0.015 ±10%	150	50	55	1800	.040	750
C5004	C5041	0.018 ±10%	150	50	55	1500	.040	750
C5005	C5042	0.022 ±10%	100	45	50	1400	.040	750
C5006	C5043	0.027 ±10%	100	45	50	1200	.040	750
C5007	C5044	0.033 ±10%	100	47	55	1200	.050	640
C5008	C5045	0.039 ±10%	100	47	55	1200	.070	600
C5009	C5046	0.047 ±10%	100	47	55	1000	.080	550
C5010	C5047	0.056 ±10%	100	47	55	900	.090	520
C5011	C5048	0.068 ±10%	100	47	55	900	.10	480
C5012	C5049	0.082 ±10%	100	47	55	750	.11	470
C5013	C5050	0.100 ±10%	50	47	55	700	.11	470
C5014	C5051	0.120 ±10%	50	47	55	600	.11	470
C5015	C5052	0.150 ±10%	50	47	55	500	.12	450
C5016	C5053	0.180 ±10%	50	51	60	450	.14	430
C5017	C5054	0.220 ±10%	50	51	60	420	.20	350
C5018	C5055	0.270 ±10%	50	51	60	400	.25	310
C5019	C5056	0.330 ±10%	50	51	60	320	.30	280
C5020	C5057	0.390 ±10%	50	47	55	270	.45	240
C5021	C5058	0.470 ±10%	25	47	55	250	.50	230
C5022	C5059	0.560 ±10%	25	52	60	200	.55	220
C5023	C5060	0.680 ±10%	25	52	60	180	.58	210
C5024	C5061	0.820 ±10%	25	52	60	150	.60	200
C5025	C5062	1.00 ±10%	25	52	60	120	.65	190
C5026	C5063	1.20 ±10%	7.9	42	50	110	.75	180
C5027	C5064	1.50 ±10%	7.9	42	50	100	1.1	160
C5028	C5065	1.80 ±10%	7.9	48	55	95	1.2	150
C5029	C5066	2.20 ±10%	7.9	48	55	90	1.3	140
C5030	C5067	2.70 ±10%	7.9	48	55	65	1.5	130
C5031	C5068	3.30 ±10%	7.9	48	55	55	1.8	120
C5032	C5069	3.90 ±10%	7.9	48	55	45	2.0	110
C5033	C5070	4.70 ±10%	7.9	48	55	43	2.3	100
C5034	C5071	5.60 ±10%	7.9	48	55	40	2.5	100
C5035	C5072	6.80 ±10%	7.9	46	53	38	2.6	98
C5036	C5073	8.20 ±10%	7.9	46	53	35	2.8	95
C5037	C5074	10.0 ±10%	7.9	46	53	33	3.3	87