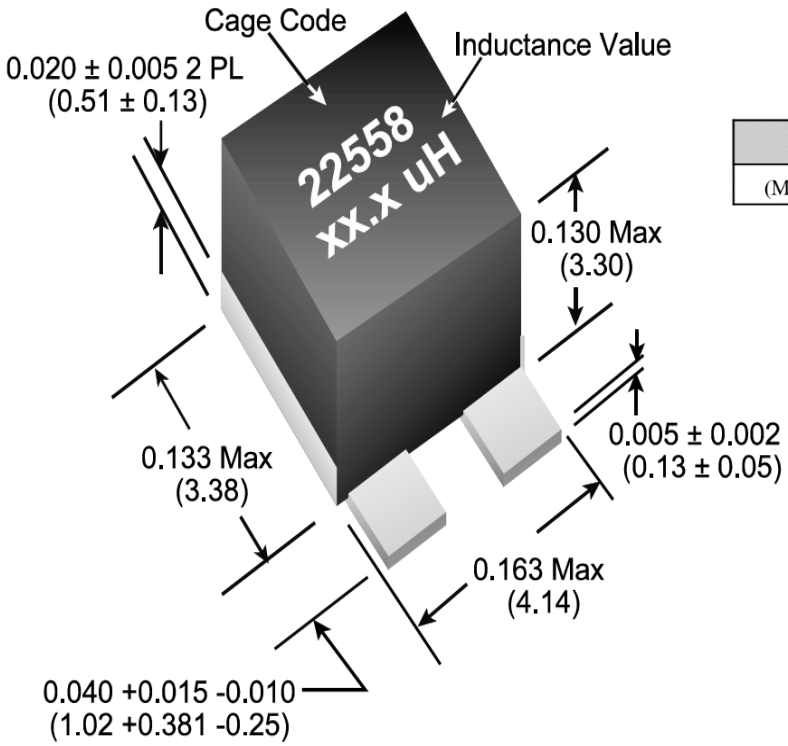
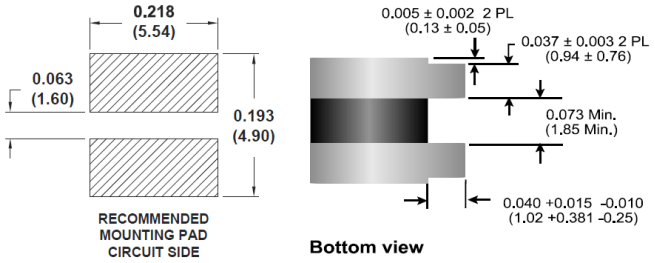
Fixed Chip Inductors – C11000 Series



Inches
(Millimeters)



SPECIFICATIONS

- **Inductance:** 0.10 µH to 10000 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

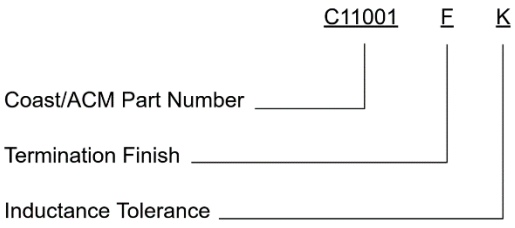
- Transfer Molded Package
- Laser Marking
- Leadless device for minimum footprint
- Internal Welded Terminations
- Low EMI Radiation
- Low Thermal Expansion permits mounting on most substrate materials
- Termination Finish Options available (additional charge)
- Tighter Tolerances available (additional charge)
- Tape and Reel Packaging Available (additional charge)
  - Full Reel Quantity (Tabs): 600 pieces
  - Full Reel Quantity (No Tabs): 650 pieces
- Available for Military Application per MIL-PRF-83446 (see 11000 Series)
- Available for Space Application per MIL-STD-981 (see S11000 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



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 – C11000 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
C11001	C11062	0.10 ±10%	25	90	100	600	.03	1000
C11002	C11063	0.12 ±10%	25	90	100	520	.03	1000
C11003	C11064	0.15 ±10%	25	90	100	490	.03	1000
C11004	C11065	0.18 ±10%	25	90	100	460	.04	1000
C11005	C11066	0.22 ±10%	25	90	100	430	.04	1000
C11006	C11067	0.27 ±10%	25	100	113	370	.04	1000
C11007	C11068	0.33 ±10%	25	105	120	310	.05	750
C11008	C11069	0.39 ±10%	25	115	130	280	.05	750
C11009	C11070	0.47 ±10%	25	115	130	260	.05	750
C11010	C11071	0.56 ±10%	25	115	130	240	.06	700
C11011	C11072	0.68 ±10%	25	115	130	200	.06	700
C11012	C11073	0.82 ±10%	25	115	130	185	.06	700
C11013	C11074	1.0 ±10%	25	115	130	175	.09	650
C11014	C11075	1.2 ±10%	7.9	90	100	150	.09	650
C11015	C11076	1.5 ±10%	7.9	100	115	135	.14	600
C11016	C11077	1.8 ±10%	7.9	100	115	120	.20	500
C11017	C11078	2.2 ±10%	7.9	100	115	105	.30	400
C11018	C11079	2.7 ±10%	7.9	100	115	85	.40	350
C11019	C11080	3.3 ±10%	7.9	100	115	80	.46	330
C11020	C11081	3.9 ±10%	7.9	105	120	64	.52	310
C11021	C11082	4.7 ±10%	7.9	115	130	56	.54	300
C11022	C11083	5.6 ±10%	7.9	115	130	49	.60	285
C11023	C11084	6.8 ±10%	7.9	115	130	45	.66	270
C11024	C11085	8.2 ±10%	7.9	115	130	41	1.00	225
C11025	C11086	10.0 ±10%	7.9	115	130	39	1.20	200
C11026	C11087	12.0 ±10%	2.5	100	113	34	1.5	180
C11027	C11088	15.0 ±10%	2.5	100	113	30	1.8	170
C11028	C11089	18.0 ±10%	2.5	100	113	26	1.9	160
C11029	C11090	22.0 ±10%	2.5	105	120	23	2.1	150
C11030	C11091	27.0 ±10%	2.5	110	125	20	2.4	140
C11031	C11092	33.0 ±10%	2.5	115	130	18	2.7	130
C11032	C11093	39.0 ±10%	2.5	115	130	17	3.1	125
C11033	C11094	47.0 ±10%	2.5	115	130	16	3.2	125
C11034	C11095	56.0 ±10%	2.5	110	125	14	3.5	120
C11035	C11096	68.0 ±10%	2.5	110	125	12	4.0	111
C11036	C11097	82.0 ±10%	2.5	110	125	10	4.8	102
C11037	C11098	100.0 ±10%	2.5	110	125	9.4	5.7	93
C11038	C11099	120.0 ±10%	0.79	85	95	8.0	6.2	89
C11039	C11100	150.0 ±10%	0.79	85	95	8.0	6.3	89
C11040	C11101	180.0 ±10%	0.79	85	95	6.9	6.4	88
C11041	C11102	220.0 ±10%	0.79	85	95	6.1	7.4	82
C11042	C11103	270.0 ±10%	0.79	85	95	5.2	8.1	78
C11043	C11104	330.0 ±10%	0.79	100	113	4.6	8.8	75
C11044	C11105	390.0 ±10%	0.79	100	113	4.0	9.7	72
C11045	C11106	470.0 ±10%	0.79	100	113	3.6	10.0	69
C11046	C11107	560.0 ±10%	0.79	100	113	2.8	11.0	66
C11047	C11108	680.0 ±10%	0.79	100	113	2.3	12.0	64
C11048	C11109	820.0 ±10%	0.79	95	106	2.1	17.0	53
C11049	C11110	1000.0 ±10%	0.79	95	106	2.0	22.0	47
C11050	C11111	1200.0 ±10%	0.25	75	87	1.7	24.0	45
C11051	C11112	1500.0 ±10%	0.25	75	87	1.6	25.0	44
C11052	C11113	1800.0 ±10%	0.25	75	87	1.5	27.0	43
C11053	C11114	2200.0 ±10%	0.25	75	87	1.4	30.0	40
C11054	C11115	2700.0 ±10%	0.25	75	87	1.3	34.0	38
C11055	C11116	3300.0 ±10%	0.25	75	87	1.2	39.0	35
C11056	C11117	3900.0 ±10%	0.25	75	87	1.1	56.0	29
C11057	C11118	4700.0 ±10%	0.25	75	87	1.0	70.0	26
C11058	C11119	5600.0 ±10%	0.25	75	87	0.90	80.0	25
C11059	C11120	6800.0 ±10%	0.25	75	85	0.80	90.0	23
C11060	C11121	8200.0 ±10%	0.25	75	85	0.70	100.0	22
C11061	C11122	10000.0 ±10%	0.25	75	85	0.70	110.0	21