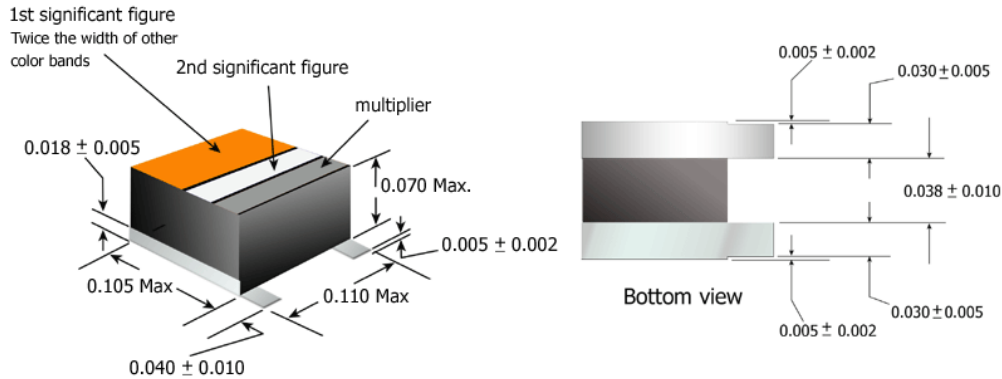


# C8000 Series

## Fixed Chip Inductor



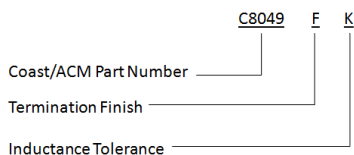
### FEATURES

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

### SPECIFICATIONS

- Operating temperature range: -55°C to 125°C
- Weight: 0.5 grams 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%

With Tabs C/ACM P/N	Without Tabs C/ACM P/N	Inductance ±10% (µH)	Q Min	Q Typ	Test Freq (MHz)	SRF Min (MHz)	DCR Max (Ω)	Current Max (mA)
8001	8050	0.010	50	55	150	2000	0.025	750
8002	8051	0.012	50	55	150	2000	0.025	750
8003	8052	0.015	50	55	150	1800	0.040	750
8004	8053	0.018	50	55	150	1500	0.040	750
8005	8054	0.022	45	50	100	1400	0.040	750
8006	8055	0.027	45	50	100	1200	0.040	750
8007	8056	0.033	47	55	100	1100	0.050	640
8008	8057	0.039	47	55	100	1000	0.07	600
8009	8058	0.047	47	55	100	900	0.08	550
8010	8059	0.056	47	55	100	850	0.09	520
8011	8060	0.068	47	55	100	840	0.10	480
8012	8061	0.082	47	55	100	750	0.11	470
8013	8062	0.100	47	55	50	580	0.11	470
8014	8063	0.120	47	55	50	240	0.11	470
8015	8064	0.150	47	55	50	230	0.12	450
8016	8065	0.180	51	60	50	230	0.14	430
8017	8066	0.220	51	60	50	230	0.20	350
8018	8067	0.270	51	60	50	230	0.25	310
8019	8068	0.330	51	60	50	200	0.30	280
8020	8069	0.390	47	55	50	190	0.45	240
8021	8070	0.470	47	55	25	180	0.50	230
8022	8071	0.560	45	53	25	170	0.50	230
8023	8072	0.680	45	53	25	160	0.50	230
8024	8073	0.820	45	53	25	150	0.50	230
8025	8074	1.00	45	53	25	130	0.50	230
8026	8075	1.20	36	43	7.9	120	0.60	200
8027	8076	1.50	36	43	7.9	100	1.1	160
8028	8077	1.80	38	45	7.9	90	1.1	160
8029	8078	2.20	38	45	7.9	85	1.5	130
8030	8079	2.70	41	48	7.9	80	1.7	125
8031	8080	3.30	42	50	7.9	75	1.8	120
8032	8081	3.90	42	50	7.9	65	2.0	110
8033	8082	4.70	41	48	7.9	55	2.3	100
8034	8083	5.60	41	48	7.9	45	2.6	98
8035	8084	6.80	36	43	7.9	40	2.8	94
8036	8085	8.20	36	43	7.9	35	3.0	90
8037	8086	10.0	36	43	7.9	33	3.3	87
8038	8087	12.0	36	43	7.9	26	4.0	79
8039	8088	15.0	32	38	2.5	24	4.2	79
8040	8089	18.0	32	38	2.5	21	4.4	75
8041	8090	22.0	32	38	2.5	19	7.5	57
8042	8091	27.0	32	38	2.5	14	8.0	55
8043	8092	33.0	30	35	2.5	12	13.0	45
8044	8093	39.0	30	35	2.5	10	17.0	38
8045	8094	47.0	30	35	2.5	9.0	19.0	36
8046	8095	56.0	30	35	2.5	8.5	23.0	33
8047	8096	68.0	30	35	2.5	8.2	25.0	32
8048	8097	82.0	30	35	2.5	8.0	28.0	30
8049	8098	100.0	30	35	2.5	7.0	31.0	28



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