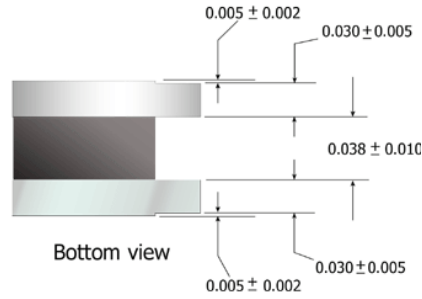
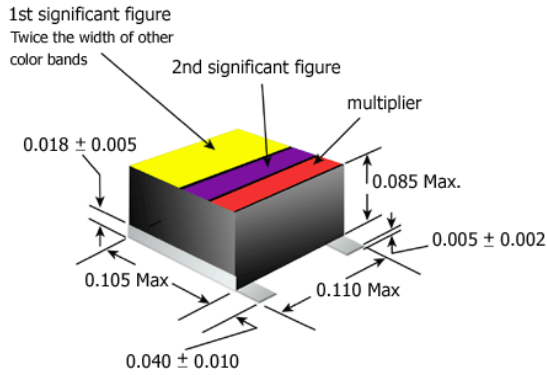


# C5000 Series

## Fixed Chip Inductor



Tape & Reel	
Type	Reel (Qty)
Tabs	1,800
No Tabs	2,000

### 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
- Altitude: 70,000 feet
- Weight: 0.5 grams maximum
- Termination finish:
  - A: Gold
  - F: Tin-lead

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)
C5001	C5038	0.010	50	55	150	2000	0.025	750
C5002	C5039	0.012	50	55	150	2000	0.025	750
C5003	C5040	0.015	50	55	150	1800	0.040	750
C5004	C5041	0.018	50	55	150	1500	0.040	750
C5005	C5042	0.022	45	50	100	1400	0.040	750
C5006	C5043	0.027	45	50	100	1200	0.040	750
C5007	C5044	0.033	47	55	100	1200	0.050	640
C5008	C5045	0.039	47	55	100	1200	0.070	600
C5009	C5046	0.047	47	55	100	1000	0.080	550
C5010	C5047	0.056	47	55	100	900	0.090	520
C5011	C5048	0.068	47	55	100	900	0.10	480
C5012	C5049	0.082	47	55	100	750	0.11	470
C5013	C5050	0.100	47	55	50	700	0.11	470
C5014	C5051	0.120	47	55	50	600	0.11	470
C5015	C5052	0.150	47	55	50	500	0.12	450
C5016	C5053	0.180	51	60	50	450	0.14	430
C5017	C5054	0.220	51	60	50	420	0.20	350
C5018	C5055	0.270	51	60	50	400	0.25	310
C5019	C5056	0.330	51	60	50	320	0.30	280
C5020	C5057	0.390	47	55	50	270	0.45	240
C5021	C5058	0.470	47	55	25	250	0.50	230
C5022	C5059	0.560	52	60	25	200	0.55	220
C5023	C5060	0.680	52	60	25	180	0.58	210
C5024	C5061	0.820	52	60	25	150	0.60	200
C5025	C5062	1.00	52	60	25	120	0.65	190
C5026	C5063	1.20	42	50	7.9	110	0.75	180
C5027	C5064	1.50	42	50	7.9	100	1.1	160
C5028	C5065	1.80	48	55	7.9	95	1.2	150
C5029	C5066	2.20	48	55	7.9	90	1.3	140
C5030	C5067	2.70	48	55	7.9	65	1.5	130
C5031	C5068	3.30	48	55	7.9	55	1.8	120
C5032	C5069	3.90	48	55	7.9	45	2.0	110
C5033	C5070	4.70	48	55	7.9	43	2.3	100
C5034	C5071	5.60	48	55	7.9	40	2.5	100
C5035	C5072	6.80	46	53	7.9	38	2.6	98
C5036	C5073	8.20	46	53	7.9	35	2.8	95
C5037	C5074	10.0	46	53	7.9	33	3.3	87

