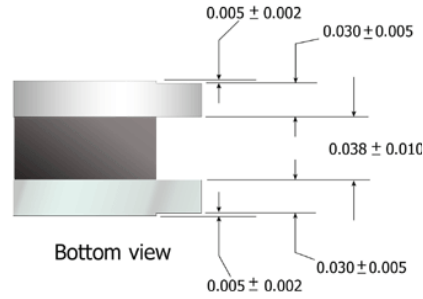
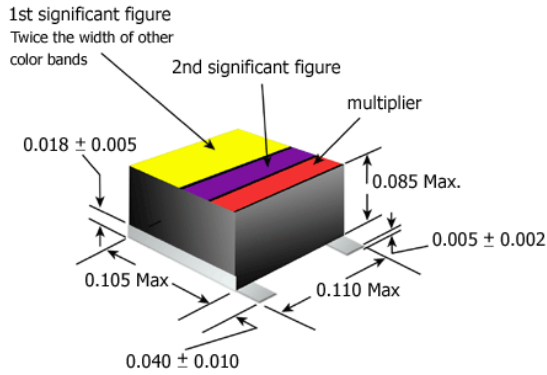


5000 Series

Fixed Chip Inductor

MIL-PRF-83446/5

QPL Approved



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

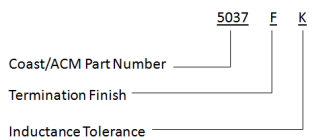
FEATURES

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

SPECIFICATIONS

- Weight: 0.5 gram, maximum
- Operating temperature range: -55°C to 125°C
- Temperature rise (at 90°C): 35°C
- Altitude: 70,000 feet
- Dielectric withstanding voltage: Method 301 of MIL-STD-202, test voltage 500 Vrms
- Barometric Pressure: Method 105, test condition C, MIL-STD-202 (70,000 feet), test voltage 200 Vrms
- 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		Without Tabs		Inductance ±10% (μH)	Q Min	Q Typ	Test Freq (MHz)	SRF Min (MHz)	DCR Max (Ω)	Current Max (mA)
Dash Number	C/ACM P/N	Dash Number	C/ACM P/N							
M83446/05-01	5001	M83446/05-38	5038	0.010	50	55	150	2000	0.025	750
M83446/05-02	5002	M83446/05-39	5039	0.012	50	55	150	2000	0.025	750
M83446/05-03	5003	M83446/05-40	5040	0.015	50	55	150	1800	0.040	750
M83446/05-04	5004	M83446/05-41	5041	0.018	50	55	150	1500	0.040	750
M83446/05-05	5005	M83446/05-42	5042	0.022	45	50	100	1400	0.040	750
M83446/05-06	5006	M83446/05-43	5043	0.027	45	50	100	1200	0.040	750
M83446/05-07	5007	M83446/05-44	5044	0.033	47	55	100	1200	0.050	640
M83446/05-08	5008	M83446/05-45	5045	0.039	47	55	100	1200	0.070	600
M83446/05-09	5009	M83446/05-46	5046	0.047	47	55	100	1000	0.080	550
M83446/05-10	5010	M83446/05-47	5047	0.056	47	55	100	900	0.090	520
M83446/05-11	5011	M83446/05-48	5048	0.068	47	55	100	900	0.10	480
M83446/05-12	5012	M83446/05-49	5049	0.082	47	55	100	750	0.11	470
M83446/05-13	5013	M83446/05-50	5050	0.100	47	55	50	700	0.11	470
M83446/05-14	5014	M83446/05-51	5051	0.120	47	55	50	600	0.11	470
M83446/05-15	5015	M83446/05-52	5052	0.150	47	55	50	500	0.12	450
M83446/05-16	5016	M83446/05-53	5053	0.180	51	60	50	450	0.14	430
M83446/05-17	5017	M83446/05-54	5054	0.220	51	60	50	420	0.20	350
M83446/05-18	5018	M83446/05-55	5055	0.270	51	60	50	400	0.25	310
M83446/05-19	5019	M83446/05-56	5056	0.330	51	60	50	320	0.30	280
M83446/05-20	5020	M83446/05-57	5057	0.390	47	55	50	270	0.45	240
M83446/05-21	5021	M83446/05-58	5058	0.470	47	55	25	250	0.50	230
M83446/05-22	5022	M83446/05-59	5059	0.560	52	60	25	200	0.55	220
M83446/05-23	5023	M83446/05-60	5060	0.680	52	60	25	180	0.58	210
M83446/05-24	5024	M83446/05-61	5061	0.820	52	60	25	150	0.60	200
M83446/05-25	5025	M83446/05-62	5062	1.00	52	60	25	120	0.65	190
M83446/05-26	5026	M83446/05-63	5063	1.20	42	50	7.9	110	0.75	180
M83446/05-27	5027	M83446/05-64	5064	1.50	42	50	7.9	100	1.1	160
M83446/05-28	5028	M83446/05-65	5065	1.80	48	55	7.9	95	1.2	150
M83446/05-29	5029	M83446/05-66	5066	2.20	48	55	7.9	90	1.3	140
M83446/05-30	5030	M83446/05-67	5067	2.70	48	55	7.9	65	1.5	130
M83446/05-31	5031	M83446/05-68	5068	3.30	48	55	7.9	55	1.8	120
M83446/05-32	5032	M83446/05-69	5069	3.90	48	55	7.9	45	2.0	110
M83446/05-33	5033	M83446/05-70	5070	4.70	48	55	7.9	43	2.3	100
M83446/05-34	5034	M83446/05-71	5071	5.60	48	55	7.9	40	2.5	100
M83446/05-35	5035	M83446/05-72	5072	6.80	46	53	7.9	38	2.6	98
M83446/05-36	5036	M83446/05-73	5073	8.20	46	53	7.9	35	2.8	95
M83446/05-37	5037	M83446/05-74	5074	10.0	46	53	7.9	33	3.3	87



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