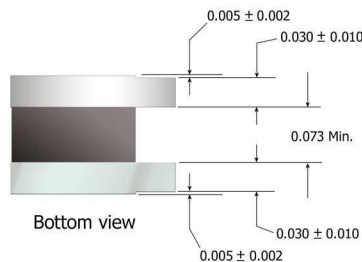
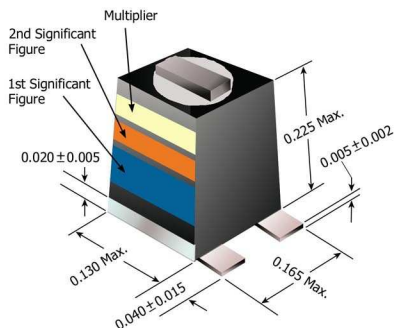


# 9000 Series

## Variable Chip Inductors

## M83446/9



### FEATURES

- Military QPL Approved.
- Pick-and-place compatible.

### SPECIFICATIONS

- Operating temperature range: -55°C to +125°C
- Weight: 0.5 gram maximum.
- Inductance requirement: Tighter tolerances and other inductance values on request.
- Termination finish:  
A: Gold.  
F: Tin-lead.  
Solderability per MIL-STD-202, Method 208.
- Space Application: Available to MIL-STD-981.
- Outgassing: TML < 1%.

With Tabs		Without Tabs		Inductance (µH)			Q Min	Test	SRF	DCR	Current
Mil Spec Dash Number	C/ACM P/N	Mil Spec Dash Number	C/ACM P/N	Min	Nom	Max	At L	Freq (MHz)	(min) (MHz)	(max) (Ohms)	(max) (mA)
M83446/09-01	9001	M83446/09-48	9048	0.015	0.018	0.021	50	150	1200	0.03	750
M83446/09-02	9002	M83446/09-49	9049	0.018	0.022	0.026	55	150	1100	0.03	750
M83446/09-03	9003	M83446/09-50	9050	0.022	0.027	0.032	55	150	1000	0.03	750
M83446/09-04	9004	M83446/09-51	9051	0.027	0.033	0.039	55	150	900	0.04	750
M83446/09-05	9005	M83446/09-52	9052	0.033	0.039	0.047	55	150	750	0.04	750
M83446/09-06	9006	M83446/09-53	9053	0.039	0.047	0.056	55	100	660	0.04	750
M83446/09-07	9007	M83446/09-54	9054	0.047	0.056	0.068	55	100	610	0.05	700
M83446/09-08	9008	M83446/09-55	9055	0.055	0.068	0.082	55	100	550	0.05	700
M83446/09-09	9009	M83446/09-56	9056	0.067	0.082	0.100	55	100	520	0.06	645
M83446/09-10	9010	M83446/09-57	9057	0.080	0.100	0.120	55	100	490	0.06	645
M83446/09-11	9011	M83446/09-58	9058	0.096	0.120	0.144	50	50	460	0.07	600
M83446/09-12	9012	M83446/09-59	9059	0.12	0.15	0.18	50	50	430	0.08	560
M83446/09-13	9013	M83446/09-60	9060	0.14	0.18	0.22	50	50	385	0.09	525
M83446/09-14	9014	M83446/09-61	9061	0.17	0.22	0.27	45	50	330	0.10	500
M83446/09-15	9015	M83446/09-62	9062	0.21	0.27	0.33	45	50	300	0.15	400
M83446/09-16	9016	M83446/09-63	9063	0.26	0.33	0.40	45	50	275	0.19	360
M83446/09-17	9017	M83446/09-64	9064	0.32	0.39	0.47	40	50	240	0.25	300
M83446/09-18	9018	M83446/09-65	9065	0.37	0.47	0.57	40	25	210	0.30	280
M83446/09-19	9019	M83446/09-66	9066	0.46	0.56	0.68	40	25	190	0.40	250
M83446/09-20	9020	M83446/09-67	9067	0.54	0.68	0.82	40	25	165	0.60	200
M83446/09-21	9021	M83446/09-68	9068	0.68	0.82	1.00	40	25	155	0.70	180
M83446/09-22	9022	M83446/09-69	9069	0.75	1.0	1.25	40	25	140	0.90	160
M83446/09-23	9023	M83446/09-70	9070	0.90	1.2	1.50	35	25	125	1.1	150
M83446/09-24	9024	M83446/09-71	9071	1.13	1.5	1.87	30	7.9	115	1.3	135
M83446/09-25	9025	M83446/09-72	9072	1.35	1.8	2.25	30	7.9	105	1.7	120
M83446/09-26	9026	M83446/09-73	9073	1.65	2.2	2.75	30	7.9	100	2.3	100
M83446/09-27	9027	M83446/09-74	9074	2.02	2.7	3.37	25	7.9	85	3.0	90
M83446/09-28	9028	M83446/09-75	9075	2.48	3.3	4.12	25	7.9	75	3.9	80
M83446/09-29	9029	M83446/09-76	9076	2.92	3.9	4.87	25	7.9	47	3.9	80
M83446/09-30	9030	M83446/09-77	9077	3.52	4.7	5.88	25	7.9	30	3.9	80
M83446/09-31	9031	M83446/09-78	9078	4.2	5.6	7.0	22	7.9	24	4.0	75
M83446/09-32	9032	M83446/09-79	9079	5.1	6.8	8.5	22	7.9	23	4.0	75
M83446/09-33	9033	M83446/09-80	9080	6.1	8.2	10.2	22	7.9	22	4.5	72
M83446/09-34	9034	M83446/09-81	9081	7.5	10.0	12.5	22	7.9	21	4.5	72
M83446/09-35	9035	M83446/09-82	9082	9.0	12.0	15.0	22	7.9	17	5.0	70
M83446/09-36	9036	M83446/09-83	9083	11.2	15.0	18.7	22	2.5	15	6.0	65
M83446/09-37	9037	M83446/09-84	9084	13.5	18.0	22.5	22	2.5	14	8.0	55
M83446/09-38	9038	M83446/09-85	9085	16.5	22.0	27.5	22	2.5	13	10.0	50
M83446/09-39	9039	M83446/09-86	9086	20.2	27.0	31.3	22	2.5	11	11.0	45
M83446/09-40	9040	M83446/09-87	9087	24.7	33.0	41.2	22	2.5	10	13.0	43
M83446/09-41	9041	M83446/09-88	9088	29.2	39.0	48.8	22	2.5	9	14.0	42
M83446/09-42	9042	M83446/09-89	9089	35.2	47.0	58.8	22	2.5	8	15.0	40
M83446/09-43	9043	M83446/09-90	9090	42.0	56.0	70.0	22	2.5	7	19.0	36
M83446/09-44	9044	M83446/09-91	9091	51.0	68.0	85.0	22	2.5	6	24.0	32
M83446/09-45	9045	M83446/09-92	9092	62.0	82.0	102.0	25	2.5	5	31.0	28
M83446/09-46	9046	M83446/09-93	9093	75.0	100.0	125.0	25	2.5	4	40.0	25
M83446/09-47	9047	M83446/09-94	9094	90.0	120.0	150.0	25	2.5	3	50.0	22

**Ordering note:** Add suffix "A" to C/ACM Part No. to specify Gold Plated terminations, "F" for Tin-Lead coated terminations.



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