

MILITARY PRODUCTS

Chip Inductors

M83446/8 - Series 30,000

Qualified Product Listed

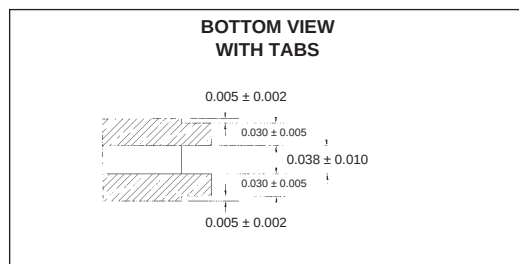
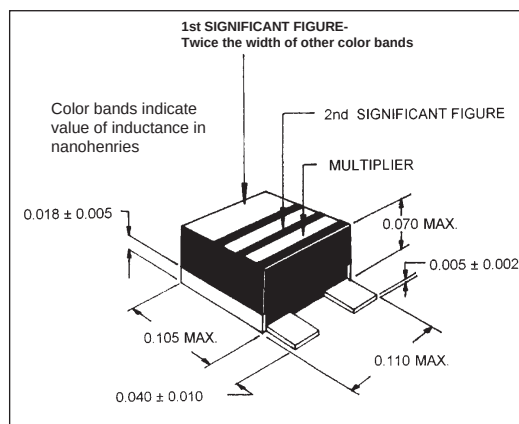
MIL-PRF-83446

0.110	2.794
0.105	2.667
0.070	1.778
0.040	1.016
0.038	0.965
0.030	0.762
0.018	0.457
0.010	0.254
0.005	0.127
0.002	0.051

CONVERSION

WITH TAB TERMINATIONS		WITHOUT TAB TERMINATIONS		ACTUAL SIZE							
				TOP VIEW				SIDE VIEW			
M83446/8 Dash No.	VE P/N	M83446/8 Dash No.	VE P/N	Inductance uH	Min Q	Typ Q	Test Freq MHz	SRF MHz Min	DCR Ohms Max	Current mA Max	
-01	30000	-50	30000 NT	0.010	50	55	150	2000	0.025	750	
-02	30001	-51	30001 NT	0.012	50	55	150	2000	0.025	750	
-03	30002	-52	30002 NT	0.015	50	55	150	1800	0.04	750	
-04	30003	-53	30003 NT	0.018	50	55	150	1500	0.04	750	
-05	30004	-54	30004 NT	0.022	45	50	100	1400	0.04	750	
-06	30005	-55	30005 NT	0.027	45	50	100	1200	0.04	750	
-07	30006	-56	30006 NT	0.033	47	55	100	1100	0.05	640	
-08	30007	-57	30007 NT	0.039	47	55	100	1000	0.07	600	
-09	30008	-58	30008 NT	0.047	47	55	100	900	0.08	550	
-10	30009	-59	30009 NT	0.056	47	55	100	850	0.09	520	
-11	30010	-60	30010 NT	0.068	47	55	100	840	0.10	480	
-12	30011	-61	30011 NT	0.082	47	55	100	750	0.11	470	
-13	30012	-62	30012 NT	0.10	47	55	50	580	0.11	470	
-14	30013	-63	30013 NT	0.12	47	55	50	240	0.11	470	
-15	30014	-64	30014 NT	0.15	47	55	50	230	0.12	450	
-16	30015	-65	30015 NT	0.18	51	60	50	230	0.14	430	
-17	30016	-66	30016 NT	0.22	51	60	50	230	0.20	350	
-18	30017	-67	30017 NT	0.27	51	60	50	230	0.25	310	
-19	30018	-68	30018 NT	0.33	51	60	50	200	0.30	280	
-20	30019	-69	30019 NT	0.39	47	55	50	190	0.45	240	
-21	30020	-70	30020 NT	0.47	47	55	25	180	0.50	230	
-22	30021	-71	30021 NT	0.56	45	53	25	170	0.50	230	
-23	30022	-72	30022 NT	0.68	45	53	25	160	0.50	230	
-24	30023	-73	30023 NT	0.82	45	53	25	150	0.50	230	
-25	30024	-74	30024 NT	1.00	45	53	25	130	0.50	230	
-26	30025	-75	30025 NT	1.2	36	43	7.9	120	0.6	200	
-27	30026	-76	30026 NT	1.5	36	43	7.9	100	1.1	160	
-28	30027	-77	30027 NT	1.8	38	45	7.9	90	1.1	160	
-29	30028	-78	30028 NT	2.2	38	45	7.9	85	1.5	130	
-30	30029	-79	30029 NT	2.7	41	48	7.9	80	1.7	125	
-31	30030	-80	30030 NT	3.3	42	50	7.9	75	1.8	120	
-32	30031	-81	30031 NT	3.9	42	50	7.9	65	2.0	110	
-33	30032	-82	30032 NT	4.7	41	48	7.9	55	2.3	100	
-34	30033	-83	30033 NT	5.6	41	48	7.9	45	2.6	98	
-35	30034	-84	30034 NT	6.8	36	43	7.9	40	2.8	94	
-36	30035	-85	30035 NT	8.2	36	43	7.9	35	3.0	90	
-37	30036	-86	30036 NT	10.0	36	43	7.9	33	3.3	87	
-38	30037	-87	30037 NT	12.0	36	43	7.9	26	4.0	79	
-39	30038	-88	30038 NT	15.0	32	38	2.5	24	4.2	77	
-40	30039	-89	30039 NT	18.0	32	38	2.5	21	4.4	75	
-41	30040	-90	30040 NT	22	32	38	2.5	19	7.5	57	
-42	30041	-91	30041 NT	27	32	38	2.5	14	8.0	55	
-43	30042	-92	30042 NT	33	30	35	2.5	12	13.0	45	
-44	30043	-93	30043 NT	39	30	35	2.5	10	17.0	38	
-45	30044	-94	30044 NT	47	30	35	2.5	9	19.0	36	
-46	30045	-95	30045 NT	56	30	35	2.5	8.5	23.0	33	
-47	30046	-96	30046 NT	68	30	35	2.5	8.2	25.0	32	
-48	30047	-97	30047 NT	82	30	35	2.5	8.0	28.0	30	
-49	30048	-98	30048 NT	100	30	35	2.5	7.0	31.0	28	

Information on Test Fixtures, Test Equipment & Q Curves can be found on the Technical Information section of website



Operating Temperature:
-55 °C to +125 °C

Standard Terminations:
Phosphor bronze with tin-lead coating, welded internal connections.

Optional Terminations:
Gold plated terminations on request, add suffix "G" to Vanguard part number when ordering.

Inductance Tolerance:
±10%, tighter tolerances and other inductance values up to 100uH on request.

Part Numbers 30000 & 30000 NT thru 30011 & 30011 NT:
TCL = +125 PPM/°C Max.

Part Numbers 30012 & 30012 NT thru 30033 & 30033 NT:
TCL = +80 PPM/°C Max.

Part Numbers 30034 & 30034 NT thru 30048 & 30048 NT:
TCL = +80 PPM/°C Max.

30,000 SERIES

VANGUARD ELECTRONICS
(714) 842-3330 WWW.VE1.COM

9707 REV 0901