

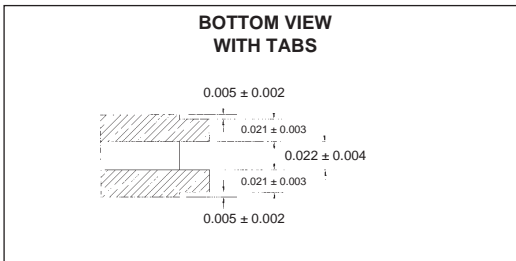
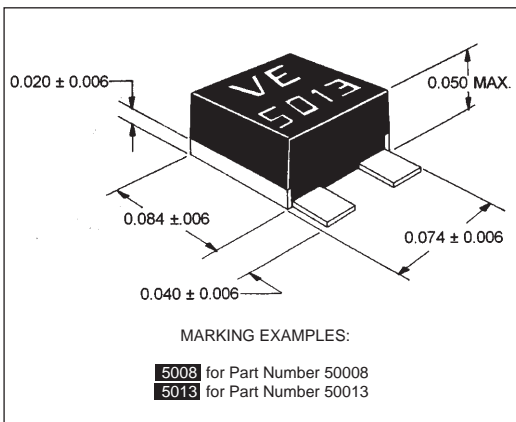
MILITARY PRODUCTS

Chip Inductors M83446/6 - Series 50,000 Qualified Product Listed MIL-PRF-83446

IN	MM
0.084	2.134
0.074	1.880
0.050	1.270
0.040	1.016
0.026	0.660
0.022	0.559
0.020	0.508
0.006	0.152
0.005	0.127
0.004	0.101
0.003	0.076
0.002	0.050

CONVERSION

WITH TAB TERMINATIONS		WITHOUT TAB TERMINATIONS		ACTUAL SIZE							
M83446/6 Dash No.	VE P/N	M83446/6 Dash No.	VE P/N	Inductance uH	Min Q	Typ Q	Test Freq MHz	SRF MHz Min	DCR Ohms Max	Current mA Max	
-49	50001	-88	50001 NT	0.005	32	40	200	1900	0.10	750	
-50	50002	-89	50002 NT	0.008	32	40	200	1800	0.10	750	
-51	50003	-90	50003 NT	0.010	32	40	150	1700	0.10	750	
-52	50004	-91	50004 NT	0.012	32	40	150	1500	0.10	750	
-53	50005	-92	50005 NT	0.015	29	37	150	1300	0.10	750	
-54	50006	-93	50006 NT	0.018	29	37	150	1100	0.10	750	
-55	50007	-94	50007 NT	0.022	35	43	100	900	0.10	750	
-56	50008	-95	50008 NT	0.027	34	42	100	900	0.10	750	
-57	50009	-96	50009 NT	0.033	32	41	100	800	0.10	600	
-58	50010	-97	50010 NT	0.039	32	41	100	750	0.10	550	
-59	50011	-98	50011 NT	0.047	32	41	100	750	0.10	500	
-60	50012	-99	50012 NT	0.056	32	41	100	700	0.10	450	
-61	50013	-100	50013 NT	0.068	32	41	100	700	0.12	400	
-62	50014	-101	50014 NT	0.082	32	40	100	700	0.13	350	
-63	50015	-102	50015 NT	0.10	32	40	50	600	0.14	350	
-64	50016	-103	50016 NT	0.12	32	40	50	500	0.17	350	
-65	50017	-104	50017 NT	0.15	32	40	50	500	0.18	350	
-66	50018	-105	50018 NT	0.18	32	40	50	450	0.25	300	
-67	50019	-106	50019 NT	0.22	32	40	50	400	0.30	300	
-68	50020	-107	50020 NT	0.27	30	39	50	330	0.40	300	
-69	50021	-108	50021 NT	0.33	30	39	50	270	0.50	300	
-70	50022	-109	50022 NT	0.39	24	31	50	250	0.90	250	
-71	50023	-110	50023 NT	0.47	24	31	25	200	0.90	250	
-72	50024	-111	50024 NT	0.56	24	31	25	180	1.10	250	
-73	50025	-112	50025 NT	0.68	24	31	25	150	1.20	250	
-74	50026	-113	50026 NT	0.82	24	31	25	130	1.40	250	
-75	50027	-114	50027 NT	1.0	24	31	25	110	1.40	250	
-76	50028	-115	50028 NT	1.2	21	28	7.9	110	1.50	200	
-77	50029	-116	50029 NT	1.5	21	28	7.9	110	1.50	200	
-78	50030	-117	50030 NT	1.8	21	28	7.9	100	1.60	200	
-79	50031	-118	50031 NT	2.2	21	28	7.9	90	1.60	150	
-80	50032	-119	50032 NT	2.7	21	28	7.9	85	1.60	150	
-81	50033	-120	50033 NT	3.3	21	28	7.9	75	1.60	150	
-82	50034	-121	50034 NT	3.9	21	28	7.9	70	2.90	100	
-83	50035	-122	50035 NT	4.7	21	28	7.9	63	2.90	100	
-84	50036	-123	50036 NT	5.6	21	28	7.9	60	3.00	100	
-85	50037	-124	50037 NT	6.8	21	28	7.9	50	3.75	100	
-86	50038	-125	50038 NT	8.2	21	28	7.9	40	4.50	100	
-87	50039	-126	50039 NT	10.0	21	28	7.9	30	5.60	100	



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:
±20% for part numbers 50001 to 50002 (includes NT p/ns)

±10% for part numbers 50003 to 50039 (includes NT p/ns)

Tighter tolerances and other inductance values up to 10 uH on request.

Part Numbers 50001 & 50001 NT thru 50039 & 50039 NT:
TCL = +125 PPM/°C Max.

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

50,000 SERIES



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

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