



ZIPPY TECHNOLOGY CORP.

**Mean Time Between Failures
PREDICTION REPORT**

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : DMTW-5820V(RoHS)

Approval By		正式資料 用章	
Prepared By			

ZIPPY TECHNOLOGY CORP.
10F.,No.50,MINQUAN RD.,
XINDIAN DIST.,NEW TAIPEI CITY,TAIWAN,R.O.C.
RELIABILITY PREDICTION STANDARD REPORT
(Sorted by Part Number)
MIL-HDBK-217F, Notice 2

Date : OCT-05-2018 Time : 11:27:22
End Item Title : DMTW SERIES MTBF
End Item Part Number : DMTW-5820V(RoHS)
DMTW-5820V(RoHS) MTBF : 116,408
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : DMTW / MTBF
Module Reference Designation : DMTW
Environmental Condition : GB
Ambient Temperature: 25°C

DMTW-5820V(RoHS)

ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10 ⁶ Hrs)	Total Failure Rate (F/10 ⁶ Hrs)
1	B102720010	BOM	SPECIAL	1	0.285928	0.285928
2	B102920003	BOM	SPECIAL	1	0.509768	0.509768
3	B102920004	BOM	SPECIAL	1	0.509768	0.509768
4	B102970002	BOM	SPECIAL	1	0.067197	0.067197
5	B103930008	BOM	SPECIAL	1	0.049305	0.049305
6	B104280002	BOM	SPECIAL	1	0.823061	0.823061
7	B200000001	BOM	NMIL	1	0.013289	0.013289
8	B200000092	BOM	NMIL	1	0.011740	0.011740
9	B200000242	BOM	NMIL	2	0.015207	0.030414
10	B200000252	BOM	NMIL	1	0.005806	0.005806
11	B200000257	BOM	NMIL	1	0.006152	0.006152
12	B200000316	BOM	NMIL	1	0.005601	0.005601
13	B200000351	BOM	NMIL	1	0.005601	0.005601
14	B200000443	BOM	NMIL	1	0.014220	0.014220
15	B200010009	BOM	NMIL	3	0.000843	0.002529
16	B200010022	BOM	NMIL	3	0.000843	0.002529
17	B200010052	BOM	NMIL	3	0.000627	0.001881
18	B200010066	BOM	NMIL	2	0.075893	0.151786
19	B200010080	BOM	NMIL	3	0.065527	0.196581
20	B200010081	BOM	NMIL	2	0.065527	0.131054
21	B200010109	BOM	NMIL	2	0.000627	0.001254
22	B200010112	BOM	NMIL	2	0.065527	0.131054
23	B200010132	BOM	NMIL	1	0.073390	0.073390
24	B200010153	BOM	NMIL	2	0.065527	0.131054

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25	B200010161	BOM	NMIL	1	0.073390	0.073390
26	B200010192	BOM	NMIL	4	0.009694	0.038776
27	B200020010	BOM	NMIL	2	0.002102	0.004204
28	B200020016	BOM	NMIL	3	0.000647	0.001941
29	B200020024	BOM	NMIL	13	0.000424	0.005512
30	B200030077	BOM	NMIL	1	0.002308	0.002308
31	B200040006	BOM	NMIL	1	0.022719	0.022719
32	B200040063	BOM	NMIL	1	0.015829	0.015829
33	B200040073	BOM	NMIL	2	0.011646	0.023292
34	B200040117	BOM	NMIL	2	0.009260	0.018520
35	B200050024	BOM	NMIL	1	0.004016	0.004016
36	B200050039	BOM	NMIL	1	0.004607	0.004607
37	B200050040	BOM	NMIL	4	0.005992	0.023968
38	B200090005	BOM	NMIL	1	0.001476	0.001476
39	B200110001	BOM	NMIL	2	0.002896	0.005792
40	B200110042	BOM	NMIL	14	0.002210	0.030940
41	B200110046	BOM	NMIL	4	0.002896	0.011584
42	B200110087	BOM	NMIL	1	0.002896	0.002896
43	B200110120	BOM	NMIL	2	0.002896	0.005792
44	B200110123	BOM	NMIL	10	0.002210	0.022100
45	B200110172	BOM	NMIL	4	0.002896	0.011584
46	B200110192	BOM	NMIL	4	0.002210	0.008840
47	B200110227	BOM	NMIL	5	0.002896	0.014480
48	B200110279	BOM	NMIL	5	0.002210	0.011050
49	B200110302	BOM	NMIL	2	0.002032	0.004064
50	B200110493	BOM	NMIL	1	0.002319	0.002319
51	B200110494	BOM	NMIL	3	0.002210	0.006630
52	B200110496	BOM	NMIL	2	0.002210	0.004420
53	B200110501	BOM	NMIL	1	0.002210	0.002210
54	B200110504	BOM	NMIL	1	0.002319	0.002319
55	B200110505	BOM	NMIL	1	0.002210	0.002210
56	B200110508	BOM	NMIL	1	0.002210	0.002210
57	B200110509	BOM	NMIL	1	0.002210	0.002210
58	B200110510	BOM	NMIL	1	0.002210	0.002210
59	B200110512	BOM	NMIL	11	0.002210	0.024310
60	B200110514	BOM	NMIL	1	0.002210	0.002210
61	B200110523	BOM	NMIL	1	0.002210	0.002210
62	B200110524	BOM	NMIL	2	0.002210	0.004420
63	B200110525	BOM	NMIL	3	0.002210	0.006630
64	B200110529	BOM	NMIL	1	0.002210	0.002210

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65	B200110542	BOM	NMIL	1	0.002210	0.002210
66	B200110550	BOM	NMIL	1	0.002210	0.002210
67	B200110551	BOM	NMIL	2	0.002210	0.004420
68	B200110554	BOM	NMIL	7	0.002210	0.015470
69	B200110561	BOM	NMIL	1	0.002210	0.002210
70	B200110613	BOM	NMIL	2	0.002210	0.004420
71	B200110674	BOM	NMIL	3	0.002210	0.006630
72	B200120017	BOM	NMIL	1	0.006272	0.006272
73	B200120032	BOM	NMIL	1	0.006353	0.006353
74	B200120094	BOM	NMIL	1	0.007441	0.007441
75	B200120174	BOM	NMIL	1	0.004541	0.004541
76	B200140013	BOM	NMIL	1	0.005353	0.005353
77	B200160017	BOM	NMIL	1	0.004760	0.004760
78	B200160034	BOM	NMIL	1	0.029693	0.029693
79	B200170020	BOM	NMIL	9	0.003721	0.033489
80	B200170029	BOM	NMIL	3	0.003721	0.011163
81	B200190031	BOM	NMIL	2	0.013460	0.026920
82	B200200021	BOM	NMIL	8	0.007820	0.062560
83	B200200053	BOM	NMIL	1	0.007306	0.007306
84	B200200057	BOM	NMIL	2	0.008988	0.017976
85	B200200061	BOM	NMIL	6	0.004827	0.028962
86	B200200071	BOM	NMIL	1	0.003664	0.003664
87	B200200078	BOM	NMIL	1	0.005546	0.005546
88	B200200083	BOM	NMIL	1	0.004199	0.004199
89	B200200084	BOM	NMIL	2	0.003413	0.006826
90	B200200101	BOM	NMIL	1	0.009037	0.009037
91	B200200153	BOM	NMIL	3	0.005166	0.015498
92	B200200156	BOM	NMIL	7	0.006356	0.044492
93	B200200158	BOM	NMIL	2	0.004508	0.009016
94	B200200166	BOM	NMIL	1	0.006824	0.006824
95	B200220021	BOM	NMIL	1	0.003440	0.003440
96	B200220036	BOM	NMIL	6	0.001294	0.007764
97	B200230198	BOM	NMIL	6	0.010543	0.063258
98	B200230210	BOM	NMIL	2	0.008794	0.017588
99	B200230277	BOM	NMIL	1	0.002234	0.002234
100	B200230336	BOM	NMIL	1	0.001803	0.001803
101	B200230338	BOM	NMIL	5	0.002061	0.010305
102	B200230377	BOM	NMIL	2	0.011465	0.022930
103	B200230379	BOM	NMIL	8	0.014034	0.112272
104	B200240005	BOM	NMIL	1	0.009934	0.009934

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105	B200250009	BOM	NMIL	1	0.000205	0.000205
106	B200250028	BOM	NMIL	2	0.000221	0.000442
107	B200260046	BOM	NMIL	1	0.000251	0.000251
108	B200260250	BOM	NMIL	1	0.000237	0.000237
109	B200260302	BOM	NMIL	1	0.000251	0.000251
110	B200260318	BOM	NMIL	1	0.000215	0.000215
111	B200300236	BOM	NMIL	1	0.053018	0.053018
112	B200300269	BOM	NMIL	1	0.008471	0.008471
113	B200300275	BOM	NMIL	1	0.092597	0.092597
114	B200350020	BOM	NMIL	1	0.001740	0.001740
115	B200350027	BOM	NMIL	1	0.003029	0.003029
116	B200370003	BOM	NMIL	1	0.000962	0.000962
117	B200370005	BOM	NMIL	2	0.001091	0.002182
118	B210140008	BOM	SPECIAL	2	2.051759	4.103518
119	B210160083	BOM	NMIL	2	0.010000	0.020000
120	B210192773	BOM	NMIL	1	0.056988	0.056988

Total Failure Rate (F/10⁶Hrs) : 8.590465
Mean Time (in hours) Between Failures (MTBF) : **116,408**