



ZIPPY TECHNOLOGY CORP.

Mean Time Between Failures PREDICTION REPORT

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : DM1K-2AF0V2(RoHS)(PMBus WP1.2)

Approval By	<i>Matthew - Chiu</i>	正式 資料 用 章	
Prepared By	<i>Tain Huan Lin</i>		

ZIPPY TECHNOLOGY CORP.
6F.,NO.48,WUQUAN RD.,
WUGU DIST.,NEW TAIPEI CITY,TAIWAN,R.O.C.
RELIABILITY PREDICTION STANDARD REPORT
(Sorted by Part Number)
MIL-HDBK-217F, Notice 2

Date : DEC-21-2021 Time : 10:29:38
End Item Title : DM1K SERIES MTBF
End Item Part Number : DM1K-2AF0V2(RoHS)(PMBus WP1.2)
DM1K-2AF0V2(RoHS)(PMBus WP1.2) MTBF : 127,930
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : DM1K / MTBF
Module Reference Designation : DM1K
Environmental Condition : GB
Ambient Temperature: 25°C

DM1K-2AF0V2(RoHS)(PMBus WP1.2)

ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10 ⁶ Hrs)	Total Failure Rate (F/10 ⁶ Hrs)
1	B106800003	BOM	SPECIAL	1	1.470691	1.470691
2	B106800004	BOM	SPECIAL	1	0.321421	0.321421
3	B106800005	BOM	SPECIAL	1	0.512498	0.512498
4	B106800006	BOM	SPECIAL	1	0.478373	0.478373
5	B106800007	BOM	SPECIAL	1	1.002490	1.002490
6	B106800008	BOM	SPECIAL	1	0.033029	0.033029
7	B200000637	BOM	NMIL	1	0.006974	0.006974
8	B200000640	BOM	NMIL	3	0.006522	0.019566
9	B200000737	BOM	NMIL	2	0.008063	0.016126
10	B200010167	BOM	NMIL	2	0.000648	0.001296
11	B200010192	BOM	NMIL	1	0.009694	0.009694
12	B200010249	BOM	NMIL	2	0.001157	0.002314
13	B200010262	BOM	NMIL	2	0.072168	0.144336
14	B200010291	BOM	NMIL	4	0.072168	0.288672
15	B200010324	BOM	NMIL	7	0.049461	0.346227
16	B200030115	BOM	NMIL	4	0.000712	0.002848
17	B200040065	BOM	NMIL	1	0.008485	0.008485
18	B200040139	BOM	NMIL	2	0.015829	0.031658
19	B200040141	BOM	NMIL	11	0.008485	0.093335
20	B200040151	BOM	NMIL	1	0.008485	0.008485
21	B200040152	BOM	NMIL	1	0.014427	0.014427
22	B200050036	BOM	NMIL	2	0.003013	0.006026
23	B200050070	BOM	NMIL	2	0.003013	0.006026
24	B200050082	BOM	NMIL	1	0.003013	0.003013

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25	B200050084	BOM	NMIL	2	0.003013	0.006026
26	B200090005	BOM	NMIL	1	0.001476	0.001476
27	B200110042	BOM	NMIL	3	0.002210	0.006630
28	B200110120	BOM	NMIL	1	0.002896	0.002896
29	B200110172	BOM	NMIL	1	0.002896	0.002896
30	B200110202	BOM	NMIL	1	0.002896	0.002896
31	B200110346	BOM	NMIL	1	0.002896	0.002896
32	B200110357	BOM	NMIL	2	0.002896	0.005792
33	B200110432	BOM	NMIL	1	0.003039	0.003039
34	B200110449	BOM	NMIL	1	0.003039	0.003039
35	B200110500	BOM	NMIL	4	0.002210	0.008840
36	B200110508	BOM	NMIL	1	0.002210	0.002210
37	B200110512	BOM	NMIL	7	0.002210	0.015470
38	B200110584	BOM	NMIL	3	0.002896	0.008688
39	B200110729	BOM	NMIL	1	0.002026	0.002026
40	B200110730	BOM	NMIL	6	0.002026	0.012156
41	B200110733	BOM	NMIL	7	0.002026	0.014182
42	B200110737	BOM	NMIL	3	0.002210	0.006630
43	B200110739	BOM	NMIL	5	0.002026	0.010130
44	B200110740	BOM	NMIL	2	0.002026	0.004052
45	B200110744	BOM	NMIL	2	0.002026	0.004052
46	B200110821	BOM	NMIL	2	0.002126	0.004252
47	B200110831	BOM	NMIL	2	0.002026	0.004052
48	B200110835	BOM	NMIL	2	0.002026	0.004052
49	B200110844	BOM	NMIL	2	0.002026	0.004052
50	B200110890	BOM	NMIL	4	0.002026	0.008104
51	B200160053	BOM	NMIL	1	0.008611	0.008611
52	B200160063	BOM	NMIL	1	0.002852	0.002852
53	B200170073	BOM	NMIL	1	0.002424	0.002424
54	B200170074	BOM	NMIL	5	0.002840	0.014200
55	B200200070	BOM	NMIL	1	0.007077	0.007077
56	B200200082	BOM	NMIL	6	0.008395	0.050370
57	B200200085	BOM	NMIL	1	0.007553	0.007553
58	B200200119	BOM	NMIL	1	0.004827	0.004827
59	B200200123	BOM	NMIL	6	0.003413	0.020478
60	B200200141	BOM	NMIL	1	0.007820	0.007820
61	B200200155	BOM	NMIL	1	0.005166	0.005166
62	B200200156	BOM	NMIL	3	0.006356	0.019068
63	B200200174	BOM	NMIL	2	0.006356	0.012712
64	B200200186	BOM	NMIL	1	0.003189	0.003189

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ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10 ⁶ Hrs)	Total Failure Rate (F/10 ⁶ Hrs)
65	B200200205	BOM	NMIL	4	0.007820	0.031280
66	B200200218	BOM	NMIL	8	0.009620	0.076960
67	B200210007	BOM	NMIL	1	0.000166	0.000166
68	B200220010	BOM	NMIL	1	0.003943	0.003943
69	B200220082	BOM	NMIL	1	0.001208	0.001208
70	B200220084	BOM	NMIL	2	0.001294	0.002588
71	B200230472	BOM	NMIL	2	0.013699	0.027398
72	B200230537	BOM	NMIL	3	0.016249	0.048747
73	B200250018	BOM	NMIL	1	0.000231	0.000231
74	B200260421	BOM	NMIL	1	0.000251	0.000251
75	B200260464	BOM	NMIL	1	0.000251	0.000251
76	B200260489	BOM	NMIL	1	0.000251	0.000251
77	B200260490	BOM	NMIL	1	0.000264	0.000264
78	B200260491	BOM	NMIL	1	0.000251	0.000251
79	B200260492	BOM	NMIL	1	0.000217	0.000217
80	B200280023	BOM	NMIL	2	0.000623	0.001246
81	B200290009	BOM	NMIL	2	0.011159	0.022318
82	B200340045	BOM	NMIL	1	0.079074	0.079074
83	B210000120	BOM	NMIL	3	0.002450	0.007350
84	B210090285	BOM	SPECIAL	1	2.276868	2.276868
85	B210160043	BOM	NMIL	2	0.010000	0.020000
86	B210193497	BOM	NMIL	1	0.071038	0.071038

Total Failure Rate (F/10⁶Hrs) : 7.816791
Mean Time (in hours) Between Failures (MTBF) : 127,930