



ZIPPY TECHNOLOGY CORP.

**Mean Time Between Failures
PREDICTION REPORT**

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : USP-2A00K2(RoHS)(PMBus WP1.2)

Approval By	<i>Carl Chen</i>	正 式 資 料 用 章	A red circular stamp with a double border. Inside, the text '正式資料' (Official Document) is at the top, 'APR-30-2018' is in the middle, and '研發本部' (R&D Department) is at the bottom.
Prepared By	<i>Tain Huan Lin</i>		

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 : APR-30-2018 Time : 15:25:41
End Item Title : USP SERIES MTBF
End Item Part Number : USP-2A00K2(RoHS)(PMBus WP1.2)
USP-2A00K2(RoHS)(PMBus WP1.2) MTBF : 169,054
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : USP / MTBF
Module Reference Designation : USP
Environmental Condition : GB
Ambient Temperature: 25°C

USP-2A00K2(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	B104770004	BOM	SPECIAL	1	0.108713	0.108713
2	B105830005	BOM	SPECIAL	1	0.119286	0.119286
3	B106110002	BOM	SPECIAL	1	0.171015	0.171015
4	B106110003	BOM	SPECIAL	1	0.121707	0.121707
5	B106110004	BOM	SPECIAL	1	0.603405	0.603405
6	B106110005	BOM	SPECIAL	1	0.275465	0.275465
7	B106110007	BOM	SPECIAL	1	0.260255	0.260255
8	B200000272	BOM	NMIL	1	0.004579	0.004579
9	B200000308	BOM	NMIL	1	0.013289	0.013289
10	B200000455	BOM	NMIL	1	0.008308	0.008308
11	B200000601	BOM	NMIL	2	0.005806	0.011612
12	B200000603	BOM	NMIL	1	0.005248	0.005248
13	B200000612	BOM	NMIL	1	0.004716	0.004716
14	B200010052	BOM	NMIL	3	0.000627	0.001881
15	B200010109	BOM	NMIL	3	0.000627	0.001881
16	B200010235	BOM	NMIL	4	0.065527	0.262108
17	B200010243	BOM	NMIL	8	0.072168	0.577344
18	B200010245	BOM	NMIL	4	0.072168	0.288672
19	B200010253	BOM	NMIL	2	0.065527	0.131054
20	B200020034	BOM	NMIL	1	0.002941	0.002941
21	B200020037	BOM	NMIL	15	0.000424	0.006360
22	B200020038	BOM	NMIL	4	0.002120	0.008480
23	B200030085	BOM	NMIL	1	0.002308	0.002308
24	B200040104	BOM	NMIL	1	0.004278	0.004278

ZIPPY TECHNOLOGY CORP.
10F.,No.50,MINQUAN RD.,
XINDIAN DIST.,NEW TAIPEI CITY,TAIWAN,R.O.C.

ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10 ⁶ Hrs)	Total Failure Rate (F/10 ⁶ Hrs)
25	B200050048	BOM	NMIL	1	0.002839	0.002839
26	B200050085	BOM	NMIL	2	0.003013	0.006026
27	B200050088	BOM	NMIL	2	0.003013	0.006026
28	B200060029	BOM	NMIL	1	0.013678	0.013678
29	B200090005	BOM	NMIL	1	0.001476	0.001476
30	B200110001	BOM	NMIL	1	0.002896	0.002896
31	B200110035	BOM	NMIL	1	0.002896	0.002896
32	B200110040	BOM	NMIL	1	0.002896	0.002896
33	B200110042	BOM	NMIL	4	0.002210	0.008840
34	B200110046	BOM	NMIL	2	0.002896	0.005792
35	B200110095	BOM	NMIL	2	0.002896	0.005792
36	B200110099	BOM	NMIL	4	0.002896	0.011584
37	B200110151	BOM	NMIL	1	0.002896	0.002896
38	B200110172	BOM	NMIL	1	0.002896	0.002896
39	B200110254	BOM	NMIL	1	0.002896	0.002896
40	B200110303	BOM	NMIL	2	0.003039	0.006078
41	B200110305	BOM	NMIL	1	0.001551	0.001551
42	B200110313	BOM	NMIL	1	0.002896	0.002896
43	B200110317	BOM	NMIL	2	0.002896	0.005792
44	B200110512	BOM	NMIL	4	0.002210	0.008840
45	B200110529	BOM	NMIL	12	0.002210	0.026520
46	B200110729	BOM	NMIL	1	0.002026	0.002026
47	B200110733	BOM	NMIL	4	0.002026	0.008104
48	B200110741	BOM	NMIL	1	0.002026	0.002026
49	B200110814	BOM	NMIL	1	0.002026	0.002026
50	B200110829	BOM	NMIL	3	0.003716	0.011148
51	B200110854	BOM	NMIL	3	0.002026	0.006078
52	B200120198	BOM	NMIL	1	0.004848	0.004848
53	B200160022	BOM	NMIL	1	0.009711	0.009711
54	B200170021	BOM	NMIL	1	0.003177	0.003177
55	B200170032	BOM	NMIL	2	0.003177	0.006354
56	B200170055	BOM	NMIL	2	0.003721	0.007442
57	B200180075	BOM	NMIL	1	0.001907	0.001907
58	B200180108	BOM	NMIL	1	0.001974	0.001974
59	B200190038	BOM	NMIL	1	0.011714	0.011714
60	B200200074	BOM	NMIL	3	0.007820	0.023460
61	B200200075	BOM	NMIL	1	0.009676	0.009676
62	B200200114	BOM	NMIL	3	0.006356	0.019068
63	B200200167	BOM	NMIL	1	0.010356	0.010356
64	B200200170	BOM	NMIL	1	0.007306	0.007306

ZIPPY TECHNOLOGY CORP.
10F.,No.50,MINQUAN RD.,
XINDIAN DIST.,NEW TAIPEI CITY,TAIWAN,R.O.C.

ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10 ⁶ Hrs)	Total Failure Rate (F/10 ⁶ Hrs)
65	B200200204	BOM	NMIL	2	0.007306	0.014612
66	B200200213	BOM	NMIL	1	0.003924	0.003924
67	B200220082	BOM	NMIL	3	0.001208	0.003624
68	B200230315	BOM	NMIL	3	0.021090	0.063270
69	B200230336	BOM	NMIL	1	0.001779	0.001779
70	B200230338	BOM	NMIL	3	0.002034	0.006102
71	B200230469	BOM	NMIL	4	0.013030	0.052120
72	B200260266	BOM	NMIL	1	0.000196	0.000196
73	B200260280	BOM	NMIL	1	0.000196	0.000196
74	B200260374	BOM	NMIL	1	0.000219	0.000219
75	B200260419	BOM	NMIL	1	0.000221	0.000221
76	B200260420	BOM	NMIL	1	0.000223	0.000223
77	B200280012	BOM	NMIL	1	0.000623	0.000623
78	B200290005	BOM	NMIL	1	0.002901	0.002901
79	B200290011	BOM	NMIL	2	0.002901	0.005802
80	B200300482	BOM	NMIL	1	0.007802	0.007802
81	B200300483	BOM	NMIL	1	0.094536	0.094536
82	B200310012	BOM	NMIL	1	0.005232	0.005232
83	B200370088	BOM	NMIL	1	0.001373	0.001373
84	B200370115	BOM	NMIL	1	0.001196	0.001196
85	B210060136	BOM	NMIL	1	0.024396	0.024396
86	B210140059	BOM	SPECIAL	1	2.277217	2.277217
87	B210160059	BOM	NMIL	1	0.010000	0.010000
88	B210192724	BOM	NMIL	1	0.063288	0.063288

Total Failure Rate (F/10⁶Hrs) : 5.915264
Mean Time (in hours) Between Failures (MTBF) : **169,054**