



ZIPPY TECHNOLOGY CORP.

Mean Time Between Failures PREDICTION REPORT

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : PSM-5AD0G(RoHS)(PMBus WP1.2)

Approval By		正式 資料 用 章	
Prepared By			

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 : FEB-22-2023 Time : 16:36:45
End Item Title : PSM SERIES MTBF
End Item Part Number : PSM-5AD0G(RoHS)(PMBus WP1.2)
PSM-5AD0G(RoHS)(PMBus WP1.2) MTBF : 156,098
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : PSM / MTBF
Module Reference Designation : PSM
Environmental Condition : GB
Ambient Temperature: 25°C

PSM-5AD0G(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	B102710132	BOM	SPECIAL	1	0.450732	0.450732
2	B104430015	BOM	SPECIAL	1	0.086128	0.086128
3	B106930002	BOM	SPECIAL	1	0.210283	0.210283
4	B106930003	BOM	SPECIAL	1	0.199034	0.199034
5	B106930004	BOM	SPECIAL	1	0.262722	0.262722
6	B106930005	BOM	SPECIAL	1	0.599804	0.599804
7	B106930006	BOM	SPECIAL	1	1.026842	1.026842
8	B106930008	BOM	SPECIAL	1	0.199806	0.199806
9	B200000268	BOM	NMIL	1	0.004579	0.004579
10	B200000272	BOM	NMIL	1	0.004579	0.004579
11	B200000308	BOM	NMIL	3	0.013289	0.039867
12	B200000745	BOM	NMIL	2	0.010898	0.021796
13	B200000776	BOM	NMIL	1	0.005248	0.005248
14	B200010009	BOM	NMIL	1	0.000843	0.000843
15	B200010022	BOM	NMIL	2	0.000843	0.001686
16	B200010068	BOM	NMIL	1	0.069762	0.069762
17	B200010192	BOM	NMIL	1	0.009694	0.009694
18	B200010235	BOM	NMIL	4	0.065527	0.262108
19	B200010253	BOM	NMIL	3	0.065527	0.196581
20	B200010342	BOM	NMIL	2	0.000652	0.001304
21	B200010343	BOM	NMIL	2	0.000652	0.001304
22	B200020037	BOM	NMIL	2	0.000414	0.000828
23	B200020046	BOM	NMIL	1	0.000755	0.000755
24	B200030077	BOM	NMIL	1	0.001224	0.001224

ZIPPY TECHNOLOGY CORP.
6F.,NO.48,WUQUAN RD.,
WUGU 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	B200030081	BOM	NMIL	1	0.001224	0.001224
26	B200030107	BOM	NMIL	1	0.001906	0.001906
27	B200040063	BOM	NMIL	1	0.015829	0.015829
28	B200040073	BOM	NMIL	5	0.011646	0.058230
29	B200040104	BOM	NMIL	1	0.003751	0.003751
30	B200040133	BOM	NMIL	1	0.008485	0.008485
31	B200050081	BOM	NMIL	4	0.003013	0.012052
32	B200050084	BOM	NMIL	2	0.003013	0.006026
33	B200050088	BOM	NMIL	2	0.003013	0.006026
34	B200060022	BOM	NMIL	1	0.003776	0.003776
35	B200110035	BOM	NMIL	1	0.002896	0.002896
36	B200110042	BOM	NMIL	7	0.002210	0.015470
37	B200110046	BOM	NMIL	2	0.002896	0.005792
38	B200110123	BOM	NMIL	3	0.002210	0.006630
39	B200110127	BOM	NMIL	2	0.003039	0.006078
40	B200110149	BOM	NMIL	1	0.002896	0.002896
41	B200110185	BOM	NMIL	1	0.002896	0.002896
42	B200110301	BOM	NMIL	2	0.002896	0.005792
43	B200110303	BOM	NMIL	2	0.003039	0.006078
44	B200110317	BOM	NMIL	1	0.002896	0.002896
45	B200110337	BOM	NMIL	4	0.003039	0.012156
46	B200110348	BOM	NMIL	1	0.002896	0.002896
47	B200110473	BOM	NMIL	4	0.002896	0.011584
48	B200110508	BOM	NMIL	2	0.002210	0.004420
49	B200110512	BOM	NMIL	5	0.002210	0.011050
50	B200110524	BOM	NMIL	1	0.002210	0.002210
51	B200110527	BOM	NMIL	1	0.002210	0.002210
52	B200110563	BOM	NMIL	3	0.003716	0.011148
53	B200110598	BOM	NMIL	3	0.002210	0.006630
54	B200110709	BOM	NMIL	1	0.002026	0.002026
55	B200110729	BOM	NMIL	2	0.002026	0.004052
56	B200110733	BOM	NMIL	6	0.002026	0.012156
57	B200110738	BOM	NMIL	2	0.002026	0.004052
58	B200110739	BOM	NMIL	6	0.002026	0.012156
59	B200110741	BOM	NMIL	1	0.002026	0.002026
60	B200110743	BOM	NMIL	1	0.002026	0.002026
61	B200110811	BOM	NMIL	1	0.002026	0.002026
62	B200110830	BOM	NMIL	1	0.002026	0.002026
63	B200110831	BOM	NMIL	1	0.002026	0.002026
64	B200110845	BOM	NMIL	1	0.002026	0.002026

ZIPPY TECHNOLOGY CORP.
6F.,NO.48,WUQUAN RD.,
WUGU DIST.,NEW TAIPEI CITY,TAIWAN,R.O.C.

ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10^6Hrs)	Total Failure Rate (F/10^6Hrs)
65	B200110854	BOM	NMIL	1	0.002026	0.002026
66	B200110869	BOM	NMIL	1	0.002026	0.002026
67	B200110959	BOM	NMIL	1	0.002026	0.002026
68	B200111016	BOM	NMIL	1	0.002026	0.002026
69	B200120162	BOM	NMIL	1	0.004807	0.004807
70	B200160022	BOM	NMIL	1	0.009218	0.009218
71	B200160058	BOM	NMIL	1	0.002852	0.002852
72	B200170018	BOM	NMIL	6	0.003177	0.019062
73	B200170026	BOM	NMIL	4	0.002840	0.011360
74	B200170029	BOM	NMIL	2	0.003721	0.007442
75	B200170075	BOM	NMIL	1	0.002424	0.002424
76	B200180095	BOM	NMIL	3	0.001907	0.005721
77	B200190038	BOM	NMIL	1	0.011714	0.011714
78	B200190064	BOM	NMIL	1	0.012538	0.012538
79	B200200064	BOM	NMIL	1	0.004827	0.004827
80	B200200074	BOM	NMIL	3	0.007820	0.023460
81	B200200075	BOM	NMIL	1	0.009676	0.009676
82	B200200094	BOM	NMIL	1	0.004508	0.004508
83	B200200116	BOM	NMIL	1	0.004199	0.004199
84	B200200118	BOM	NMIL	2	0.007820	0.015640
85	B200200123	BOM	NMIL	5	0.003413	0.017065
86	B200200142	BOM	NMIL	2	0.007306	0.014612
87	B200200156	BOM	NMIL	2	0.006356	0.012712
88	B200200218	BOM	NMIL	3	0.009620	0.028860
89	B200220087	BOM	NMIL	4	0.001125	0.004500
90	B200230281	BOM	NMIL	2	0.006574	0.013148
91	B200230288	BOM	NMIL	1	0.001165	0.001165
92	B200230338	BOM	NMIL	1	0.001978	0.001978
93	B200230504	BOM	NMIL	3	0.011113	0.033339
94	B200230525	BOM	NMIL	6	0.017745	0.106470
95	B200230537	BOM	NMIL	4	0.016249	0.064996
96	B200230572	BOM	NMIL	2	0.024965	0.049930
97	B200240015	BOM	NMIL	3	0.001865	0.005595
98	B200250009	BOM	NMIL	1	0.000205	0.000205
99	B200250016	BOM	NMIL	2	0.000245	0.000490
100	B200260427	BOM	NMIL	1	0.000221	0.000221
101	B200260507	BOM	NMIL	2	0.000251	0.000502
102	B200270024	BOM	NMIL	1	0.000227	0.000227
103	B200280012	BOM	NMIL	1	0.000623	0.000623
104	B200290005	BOM	NMIL	1	0.002901	0.002901

ZIPPY TECHNOLOGY CORP.
6F.,NO.48,WUQUAN RD.,
WUGU 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)
105	B200290011	BOM	NMIL	2	0.002901	0.005802
106	B200300494	BOM	NMIL	1	0.008374	0.008374
107	B200300547	BOM	NMIL	1	0.038174	0.038174
108	B200310025	BOM	NMIL	1	0.005232	0.005232
109	B200330002	BOM	NMIL	2	0.015429	0.030858
110	B210000120	BOM	NMIL	3	0.002450	0.007350
111	B210060004	BOM	NMIL	1	0.024396	0.024396
112	B210110119	BOM	SPECIAL	1	1.785854	1.785854
113	B210160025	BOM	NMIL	2	0.010000	0.020000
114	B210193623	BOM	NMIL	1	0.019973	0.019973

Total Failure Rate (F/10⁶Hrs) : 6.406244
Mean Time (in hours) Between Failures (MTBF) : **156,098**