



ZIPPY TECHNOLOGY CORP.

Mean Time Between Failures PREDICTION REPORT

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : ZRP-2300G2(RoHS)(PMBus WP1.2)

Approval By	Jead chen	正式 資料 用 章	
Prepared By	Jain Huan Lin		

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 : FEB-26-2020 Time : 11:16:28
End Item Title : ZRP SERIES MTBF
End Item Part Number : ZRP-2300G2(RoHS)(PMBus WP1.2)
ZRP-2300G2(RoHS)(PMBus WP1.2) MTBF : 218,103
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : ZRP / MTBF
Module Reference Designation : ZRP
Environmental Condition : GB
Ambient Temperature: 25°C

ZRP-2300G2(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	B106560003	BOM	SPECIAL	1	0.194522	0.194522
2	B106560004	BOM	SPECIAL	1	0.218272	0.218272
3	B106560005	BOM	SPECIAL	1	0.118283	0.118283
4	B106560007	BOM	SPECIAL	1	0.231840	0.231840
5	B106560008	BOM	SPECIAL	1	0.191106	0.191106
6	B200000144	BOM	NMIL	1	0.004901	0.004901
7	B200000207	BOM	NMIL	1	0.004579	0.004579
8	B200000268	BOM	NMIL	1	0.004579	0.004579
9	B200000308	BOM	NMIL	1	0.013289	0.013289
10	B200000559	BOM	NMIL	1	0.005483	0.005483
11	B200000565	BOM	NMIL	1	0.007379	0.007379
12	B200000598	BOM	NMIL	3	0.013289	0.039867
13	B200000603	BOM	NMIL	2	0.005248	0.010496
14	B200000659	BOM	NMIL	1	0.005182	0.005182
15	B200010022	BOM	NMIL	1	0.000843	0.000843
16	B200010052	BOM	NMIL	7	0.000627	0.004389
17	B200010083	BOM	NMIL	1	0.034881	0.034881
18	B200010109	BOM	NMIL	5	0.000627	0.003135
19	B200010242	BOM	NMIL	1	0.065527	0.065527
20	B200010252	BOM	NMIL	4	0.072168	0.288672
21	B200010257	BOM	NMIL	2	0.073390	0.146780
22	B200020017	BOM	NMIL	1	0.000424	0.000424
23	B200020024	BOM	NMIL	3	0.000424	0.001272
24	B200020034	BOM	NMIL	1	0.002941	0.002941

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25	B200030080	BOM	NMIL	1	0.001906	0.001906
26	B200030083	BOM	NMIL	1	0.000712	0.000712
27	B200040073	BOM	NMIL	1	0.011646	0.011646
28	B200040120	BOM	NMIL	1	0.011646	0.011646
29	B200040133	BOM	NMIL	11	0.011646	0.128106
30	B200040158	BOM	NMIL	1	0.015829	0.015829
31	B200040162	BOM	NMIL	1	0.003751	0.003751
32	B200050036	BOM	NMIL	3	0.003013	0.009039
33	B200050081	BOM	NMIL	1	0.003013	0.003013
34	B200050084	BOM	NMIL	1	0.003013	0.003013
35	B200050088	BOM	NMIL	2	0.003013	0.006026
36	B200060025	BOM	NMIL	1	0.003788	0.003788
37	B200090005	BOM	NMIL	1	0.001476	0.001476
38	B200110001	BOM	NMIL	1	0.002896	0.002896
39	B200110021	BOM	NMIL	1	0.002896	0.002896
40	B200110035	BOM	NMIL	1	0.002896	0.002896
41	B200110042	BOM	NMIL	8	0.002210	0.017680
42	B200110120	BOM	NMIL	1	0.002896	0.002896
43	B200110177	BOM	NMIL	1	0.002896	0.002896
44	B200110185	BOM	NMIL	1	0.002896	0.002896
45	B200110223	BOM	NMIL	3	0.003039	0.009117
46	B200110279	BOM	NMIL	2	0.002210	0.004420
47	B200110282	BOM	NMIL	1	0.002896	0.002896
48	B200110313	BOM	NMIL	2	0.002896	0.005792
49	B200110473	BOM	NMIL	3	0.002896	0.008688
50	B200110488	BOM	NMIL	1	0.002210	0.002210
51	B200110512	BOM	NMIL	1	0.002210	0.002210
52	B200110521	BOM	NMIL	1	0.002210	0.002210
53	B200110523	BOM	NMIL	1	0.002210	0.002210
54	B200110524	BOM	NMIL	2	0.002210	0.004420
55	B200110529	BOM	NMIL	1	0.002210	0.002210
56	B200110530	BOM	NMIL	2	0.002210	0.004420
57	B200110694	BOM	NMIL	1	0.002210	0.002210
58	B200110695	BOM	NMIL	3	0.003716	0.011148
59	B200110729	BOM	NMIL	2	0.002026	0.004052
60	B200110730	BOM	NMIL	1	0.002026	0.002026
61	B200110733	BOM	NMIL	2	0.002026	0.004052
62	B200110734	BOM	NMIL	1	0.002026	0.002026
63	B200110735	BOM	NMIL	1	0.002026	0.002026
64	B200110737	BOM	NMIL	4	0.002210	0.008840

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65	B200110739	BOM	NMIL	1	0.002026	0.002026
66	B200110743	BOM	NMIL	2	0.002026	0.004052
67	B200110775	BOM	NMIL	2	0.002026	0.004052
68	B200110776	BOM	NMIL	5	0.002026	0.010130
69	B200110777	BOM	NMIL	1	0.002026	0.002026
70	B200110800	BOM	NMIL	2	0.002026	0.004052
71	B200110806	BOM	NMIL	1	0.002026	0.002026
72	B200110813	BOM	NMIL	1	0.002026	0.002026
73	B200110814	BOM	NMIL	1	0.002026	0.002026
74	B200110834	BOM	NMIL	1	0.002026	0.002026
75	B200110848	BOM	NMIL	1	0.002026	0.002026
76	B200110851	BOM	NMIL	1	0.002026	0.002026
77	B200110891	BOM	NMIL	1	0.002126	0.002126
78	B200110928	BOM	NMIL	1	0.002026	0.002026
79	B200110949	BOM	NMIL	1	0.002126	0.002126
80	B200110959	BOM	NMIL	1	0.002026	0.002026
81	B200111016	BOM	NMIL	1	0.002026	0.002026
82	B200111055	BOM	NMIL	1	0.002026	0.002026
83	B200111066	BOM	NMIL	1	0.002026	0.002026
84	B200120170	BOM	NMIL	1	0.005001	0.005001
85	B200160011	BOM	NMIL	1	0.008611	0.008611
86	B200160017	BOM	NMIL	1	0.004760	0.004760
87	B200170019	BOM	NMIL	1	0.003721	0.003721
88	B200170071	BOM	NMIL	2	0.003177	0.006354
89	B200180095	BOM	NMIL	2	0.001907	0.003814
90	B200180117	BOM	NMIL	1	0.001529	0.001529
91	B200190038	BOM	NMIL	1	0.011714	0.011714
92	B200190064	BOM	NMIL	1	0.012538	0.012538
93	B200190072	BOM	NMIL	1	0.010940	0.010940
94	B200190088	BOM	NMIL	1	0.011714	0.011714
95	B200200057	BOM	NMIL	1	0.008988	0.008988
96	B200200070	BOM	NMIL	1	0.007077	0.007077
97	B200200075	BOM	NMIL	1	0.009676	0.009676
98	B200200083	BOM	NMIL	1	0.004199	0.004199
99	B200200113	BOM	NMIL	1	0.005166	0.005166
100	B200200116	BOM	NMIL	4	0.004199	0.016796
101	B200200121	BOM	NMIL	1	0.006824	0.006824
102	B200200140	BOM	NMIL	1	0.003664	0.003664
103	B200200193	BOM	NMIL	1	0.004827	0.004827

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104	B200200204	BOM	NMIL	1	0.007306	0.007306
105	B200200205	BOM	NMIL	1	0.007820	0.007820
106	B200200208	BOM	NMIL	9	0.006356	0.057204
107	B200200209	BOM	NMIL	1	0.004508	0.004508
108	B200200213	BOM	NMIL	1	0.003924	0.003924
109	B200220020	BOM	NMIL	1	0.003440	0.003440
110	B200220046	BOM	NMIL	2	0.001125	0.002250
111	B200220082	BOM	NMIL	3	0.001208	0.003624
112	B200230198	BOM	NMIL	1	0.010791	0.010791
113	B200230210	BOM	NMIL	1	0.009001	0.009001
114	B200230276	BOM	NMIL	2	0.001263	0.002526
115	B200230288	BOM	NMIL	1	0.001165	0.001165
116	B200230417	BOM	NMIL	1	0.001661	0.001661
117	B200230436	BOM	NMIL	1	0.001803	0.001803
118	B200230445	BOM	NMIL	2	0.001978	0.003956
119	B200230491	BOM	NMIL	2	0.016249	0.032498
120	B200230499	BOM	NMIL	1	0.013545	0.013545
121	B200230531	BOM	NMIL	1	0.018501	0.018501
122	B200250009	BOM	NMIL	1	0.000205	0.000205
123	B200260208	BOM	NMIL	1	0.000251	0.000251
124	B200280012	BOM	NMIL	1	0.000623	0.000623
125	B200290015	BOM	NMIL	2	0.011159	0.022318
126	B200300382	BOM	NMIL	1	0.046007	0.046007
127	B200300422	BOM	NMIL	1	0.038592	0.038592
128	B200300523	BOM	NMIL	1	0.082262	0.082262
129	B200300524	BOM	NMIL	1	0.032940	0.032940
130	B200310019	BOM	NMIL	1	0.005232	0.005232
131	B200360067	BOM	NMIL	1	0.001671	0.001671
132	B200370003	BOM	NMIL	1	0.000962	0.000962
133	B200370088	BOM	NMIL	1	0.001373	0.001373
134	B200370115	BOM	NMIL	2	0.001196	0.002392
135	B210060136	BOM	NMIL	1	0.024396	0.024396
136	B210090231	BOM	SPECIAL	1	1.995000	1.995000
137	B210160023	BOM	NMIL	1	0.010000	0.010000
138	B210192677	BOM	NMIL	1	0.001193	0.001193
139	B210193126	BOM	NMIL	1	0.012434	0.012434

Total Failure Rate (F/10⁶Hrs) : 4.584995
Mean Time (in hours) Between Failures (MTBF) : 218,103