



ZIPPY TECHNOLOGY CORP.

**Mean Time Between Failures
PREDICTION REPORT**

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : HG2-5500G(RoHS)

Approval By	<i>Daniel Lin</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, 'SEP-20-2018' is in the middle, and '研發本部' (R&D Department) is at the bottom.
Prepared By	<i>Lin 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 : SEP-19-2018 Time : 11:40:23
End Item Title : HG2 SERIES MTBF
End Item Part Number : HG2-5500G(RoHS)
HG2-5500G(RoHS) MTBF : 228,586
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : HG2 / MTBF
Module Reference Designation : HG2
Environmental Condition : GB
Ambient Temperature: 25°C

HG2-5500G(RoHS)

ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10 ⁶ Hrs)	Total Failure Rate (F/10 ⁶ Hrs)
1	B103210004	BOM	SPECIAL	1	0.076037	0.076037
2	B104430015	BOM	SPECIAL	1	0.086128	0.086128
3	B104780005	BOM	SPECIAL	1	0.006825	0.006825
4	B106150002	BOM	SPECIAL	1	0.103800	0.103800
5	B106150003	BOM	SPECIAL	1	0.254388	0.254388
6	B106150004	BOM	SPECIAL	1	0.254388	0.254388
7	B106150005	BOM	SPECIAL	1	0.213938	0.213938
8	B200000242	BOM	NMIL	1	0.015207	0.015207
9	B200000308	BOM	NMIL	4	0.013289	0.053156
10	B200000455	BOM	NMIL	1	0.008308	0.008308
11	B200000500	BOM	NMIL	1	0.006443	0.006443
12	B200010022	BOM	NMIL	2	0.000843	0.001686
13	B200010052	BOM	NMIL	8	0.000627	0.005016
14	B200010056	BOM	NMIL	5	0.000600	0.003000
15	B200010147	BOM	NMIL	4	0.073390	0.293560
16	B200010192	BOM	NMIL	2	0.009694	0.019388
17	B200010242	BOM	NMIL	4	0.065527	0.262108
18	B200020024	BOM	NMIL	11	0.000424	0.004664
19	B200020034	BOM	NMIL	1	0.002941	0.002941
20	B200020037	BOM	NMIL	2	0.000424	0.000848
21	B200030083	BOM	NMIL	2	0.002308	0.004616
22	B200030107	BOM	NMIL	2	0.002308	0.004616
23	B200040103	BOM	NMIL	1	0.015829	0.015829
24	B200040133	BOM	NMIL	2	0.011646	0.023292

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25	B200040147	BOM	NMIL	1	0.018259	0.018259
26	B200050040	BOM	NMIL	3	0.005992	0.017976
27	B200050045	BOM	NMIL	1	0.005992	0.005992
28	B200060031	BOM	NMIL	2	0.012314	0.024628
29	B200110001	BOM	NMIL	2	0.002896	0.005792
30	B200110120	BOM	NMIL	1	0.002896	0.002896
31	B200110123	BOM	NMIL	4	0.002210	0.008840
32	B200110138	BOM	NMIL	1	0.002896	0.002896
33	B200110177	BOM	NMIL	1	0.002896	0.002896
34	B200110185	BOM	NMIL	1	0.002896	0.002896
35	B200110337	BOM	NMIL	2	0.003039	0.006078
36	B200110385	BOM	NMIL	1	0.002896	0.002896
37	B200110495	BOM	NMIL	1	0.002210	0.002210
38	B200110496	BOM	NMIL	1	0.002210	0.002210
39	B200110508	BOM	NMIL	2	0.002210	0.004420
40	B200110512	BOM	NMIL	1	0.002210	0.002210
41	B200110524	BOM	NMIL	4	0.002210	0.008840
42	B200110530	BOM	NMIL	2	0.002210	0.004420
43	B200110543	BOM	NMIL	1	0.002210	0.002210
44	B200110551	BOM	NMIL	1	0.002210	0.002210
45	B200110554	BOM	NMIL	1	0.002210	0.002210
46	B200110637	BOM	NMIL	2	0.003716	0.007432
47	B200110695	BOM	NMIL	1	0.003716	0.003716
48	B200110729	BOM	NMIL	2	0.002026	0.004052
49	B200110733	BOM	NMIL	13	0.002026	0.026338
50	B200110739	BOM	NMIL	1	0.002026	0.002026
51	B200110743	BOM	NMIL	8	0.002026	0.016208
52	B200110744	BOM	NMIL	1	0.002026	0.002026
53	B200110777	BOM	NMIL	1	0.002026	0.002026
54	B200110805	BOM	NMIL	2	0.002026	0.004052
55	B200110807	BOM	NMIL	1	0.002026	0.002026
56	B200110808	BOM	NMIL	6	0.002026	0.012156
57	B200110810	BOM	NMIL	1	0.002026	0.002026
58	B200110812	BOM	NMIL	2	0.002026	0.004052
59	B200110813	BOM	NMIL	1	0.002026	0.002026
60	B200110814	BOM	NMIL	2	0.002026	0.004052
61	B200110815	BOM	NMIL	1	0.002026	0.002026
62	B200110816	BOM	NMIL	1	0.002026	0.002026
63	B200110828	BOM	NMIL	1	0.002026	0.002026
64	B200110832	BOM	NMIL	1	0.002026	0.002026

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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	B200110845	BOM	NMIL	1	0.002026	0.002026
66	B200110909	BOM	NMIL	1	0.002026	0.002026
67	B200110966	BOM	NMIL	1	0.002026	0.002026
68	B200120198	BOM	NMIL	2	0.004848	0.009696
69	B200160011	BOM	NMIL	1	0.008611	0.008611
70	B200160017	BOM	NMIL	1	0.004760	0.004760
71	B200170018	BOM	NMIL	4	0.003177	0.012708
72	B200170029	BOM	NMIL	2	0.003721	0.007442
73	B200170071	BOM	NMIL	3	0.003177	0.009531
74	B200180086	BOM	NMIL	1	0.001424	0.001424
75	B200180095	BOM	NMIL	2	0.001907	0.003814
76	B200190038	BOM	NMIL	1	0.011714	0.011714
77	B200200064	BOM	NMIL	1	0.004827	0.004827
78	B200200074	BOM	NMIL	2	0.007820	0.015640
79	B200200083	BOM	NMIL	1	0.004199	0.004199
80	B200200092	BOM	NMIL	1	0.009620	0.009620
81	B200200113	BOM	NMIL	2	0.005166	0.010332
82	B200200114	BOM	NMIL	10	0.006356	0.063560
83	B200200115	BOM	NMIL	2	0.004508	0.009016
84	B200200116	BOM	NMIL	2	0.004199	0.008398
85	B200200118	BOM	NMIL	1	0.007820	0.007820
86	B200200125	BOM	NMIL	1	0.003924	0.003924
87	B200200140	BOM	NMIL	1	0.003664	0.003664
88	B200200142	BOM	NMIL	1	0.007306	0.007306
89	B200200204	BOM	NMIL	1	0.007306	0.007306
90	B200220046	BOM	NMIL	1	0.001125	0.001125
91	B200220056	BOM	NMIL	4	0.001051	0.004204
92	B200230057	BOM	NMIL	1	0.001672	0.001672
93	B200230149	BOM	NMIL	1	0.003971	0.003971
94	B200230198	BOM	NMIL	2	0.010543	0.021086
95	B200230210	BOM	NMIL	1	0.008794	0.008794
96	B200230281	BOM	NMIL	2	0.008469	0.016938
97	B200230299	BOM	NMIL	1	0.024244	0.024244
98	B200230378	BOM	NMIL	2	0.013935	0.027870
99	B200230423	BOM	NMIL	1	0.004410	0.004410
100	B200230491	BOM	NMIL	3	0.013030	0.039090
101	B200230494	BOM	NMIL	1	0.013588	0.013588
102	B200230507	BOM	NMIL	2	0.011340	0.022680
103	B200250009	BOM	NMIL	1	0.000205	0.000205

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104	B200250016	BOM	NMIL	2	0.000245	0.000490
105	B200260403	BOM	NMIL	2	0.000251	0.000502
106	B200260413	BOM	NMIL	1	0.000192	0.000192
107	B200280012	BOM	NMIL	3	0.000623	0.001869
108	B200290008	BOM	NMIL	1	0.002901	0.002901
109	B200300361	BOM	NMIL	1	0.008374	0.008374
110	B200300453	BOM	NMIL	1	0.082262	0.082262
111	B200300485	BOM	NMIL	1	0.036934	0.036934
112	B200300486	BOM	NMIL	1	0.038592	0.038592
113	B200310019	BOM	NMIL	1	0.005232	0.005232
114	B200330002	BOM	NMIL	2	0.015429	0.030858
115	B200370003	BOM	NMIL	1	0.000962	0.000962
116	B210010019	BOM	NMIL	1	0.033277	0.033277
117	B210060004	BOM	NMIL	1	0.024396	0.024396
118	B210110016	BOM	SPECIAL	1	1.707557	1.707557
119	B210160037	BOM	NMIL	1	0.010000	0.010000
120	B210192750	BOM	NMIL	1	0.013563	0.013563

Total Failure Rate (F/10⁶Hrs) : 4.374713
Mean Time (in hours) Between Failures (MTBF) : **228,586**