



ZIPPY TECHNOLOGY CORP.

Mean Time Between Failures PREDICTION REPORT

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : MHG2-5300G(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, 'JUN-11-2019' 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 : JUN-06-2019 Time : 16:17:22
End Item Title : MHG2 SERIES MTBF
End Item Part Number : MHG2-5300G(RoHS)
MHG2-5300G(RoHS) MTBF : 246,431
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : MHG2 / MTBF
Module Reference Designation : MHG2
Environmental Condition : GB
Ambient Temperature: 25°C

MHG2-5300G(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	B106150002	BOM	SPECIAL	1	0.103800	0.103800
4	B106150003	BOM	SPECIAL	1	0.254388	0.254388
5	B106150004	BOM	SPECIAL	1	0.254388	0.254388
6	B106150005	BOM	SPECIAL	1	0.213938	0.213938
7	B200000242	BOM	NMIL	1	0.015207	0.015207
8	B200000308	BOM	NMIL	4	0.013289	0.053156
9	B200000455	BOM	NMIL	1	0.008308	0.008308
10	B200000500	BOM	NMIL	1	0.006443	0.006443
11	B200010022	BOM	NMIL	2	0.000843	0.001686
12	B200010052	BOM	NMIL	8	0.000627	0.005016
13	B200010056	BOM	NMIL	5	0.000600	0.003000
14	B200010147	BOM	NMIL	2	0.067519	0.135038
15	B200010192	BOM	NMIL	2	0.009694	0.019388
16	B200010242	BOM	NMIL	3	0.060285	0.180855
17	B200020024	BOM	NMIL	7	0.000424	0.002968
18	B200020034	BOM	NMIL	1	0.002941	0.002941
19	B200020037	BOM	NMIL	1	0.000424	0.000424
20	B200030083	BOM	NMIL	2	0.002308	0.004616
21	B200030107	BOM	NMIL	2	0.002308	0.004616
22	B200040103	BOM	NMIL	1	0.014563	0.014563
23	B200040133	BOM	NMIL	2	0.011646	0.023292
24	B200040147	BOM	NMIL	1	0.016798	0.016798

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25	B200050040	BOM	NMIL	3	0.005992	0.017976
26	B200050045	BOM	NMIL	1	0.005992	0.005992
27	B200060031	BOM	NMIL	2	0.011329	0.022658
28	B200110001	BOM	NMIL	2	0.002896	0.005792
29	B200110120	BOM	NMIL	1	0.002896	0.002896
30	B200110123	BOM	NMIL	4	0.002210	0.008840
31	B200110138	BOM	NMIL	1	0.002896	0.002896
32	B200110177	BOM	NMIL	1	0.002896	0.002896
33	B200110185	BOM	NMIL	1	0.002896	0.002896
34	B200110337	BOM	NMIL	2	0.003039	0.006078
35	B200110385	BOM	NMIL	1	0.002896	0.002896
36	B200110495	BOM	NMIL	1	0.002210	0.002210
37	B200110496	BOM	NMIL	1	0.002210	0.002210
38	B200110508	BOM	NMIL	2	0.002210	0.004420
39	B200110512	BOM	NMIL	1	0.002210	0.002210
40	B200110524	BOM	NMIL	4	0.002210	0.008840
41	B200110530	BOM	NMIL	2	0.002210	0.004420
42	B200110543	BOM	NMIL	1	0.002210	0.002210
43	B200110551	BOM	NMIL	1	0.002210	0.002210
44	B200110554	BOM	NMIL	1	0.002210	0.002210
45	B200110637	BOM	NMIL	2	0.003716	0.007432
46	B200110695	BOM	NMIL	1	0.003716	0.003716
47	B200110729	BOM	NMIL	2	0.002026	0.004052
48	B200110733	BOM	NMIL	11	0.002026	0.022286
49	B200110739	BOM	NMIL	1	0.002026	0.002026
50	B200110743	BOM	NMIL	8	0.002026	0.016208
51	B200110744	BOM	NMIL	1	0.002026	0.002026
52	B200110749	BOM	NMIL	1	0.002026	0.002026
53	B200110772	BOM	NMIL	1	0.002026	0.002026
54	B200110777	BOM	NMIL	1	0.002026	0.002026
55	B200110805	BOM	NMIL	1	0.002026	0.002026
56	B200110807	BOM	NMIL	1	0.002026	0.002026
57	B200110808	BOM	NMIL	3	0.002026	0.006078
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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65	B200110909	BOM	NMIL	1	0.002026	0.002026
66	B200110966	BOM	NMIL	1	0.002026	0.002026
67	B200120198	BOM	NMIL	2	0.004848	0.009696
68	B200160011	BOM	NMIL	1	0.008611	0.008611
69	B200160017	BOM	NMIL	1	0.004760	0.004760
70	B200170018	BOM	NMIL	4	0.003177	0.012708
71	B200170024	BOM	NMIL	1	0.004875	0.004875
72	B200170029	BOM	NMIL	2	0.003721	0.007442
73	B200170071	BOM	NMIL	1	0.003177	0.003177
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	B200220056	BOM	NMIL	5	0.001051	0.005255
91	B200230057	BOM	NMIL	1	0.001538	0.001538
92	B200230149	BOM	NMIL	1	0.003653	0.003653
93	B200230210	BOM	NMIL	1	0.008090	0.008090
94	B200230239	BOM	NMIL	1	0.035063	0.035063
95	B200230281	BOM	NMIL	2	0.007791	0.015582
96	B200230378	BOM	NMIL	2	0.012820	0.025640
97	B200230423	BOM	NMIL	1	0.004057	0.004057
98	B200230491	BOM	NMIL	5	0.011988	0.059940
99	B200230494	BOM	NMIL	1	0.012501	0.012501
100	B200230507	BOM	NMIL	2	0.010433	0.020866
101	B200250009	BOM	NMIL	1	0.000189	0.000189
102	B200250016	BOM	NMIL	2	0.000225	0.000450
103	B200260423	BOM	NMIL	1	0.000194	0.000194

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104	B200270022	BOM	NMIL	1	0.000194	0.000194
105	B200280012	BOM	NMIL	3	0.000623	0.001869
106	B200290008	BOM	NMIL	1	0.002901	0.002901
107	B200300361	BOM	NMIL	1	0.007704	0.007704
108	B200300422	BOM	NMIL	1	0.003753	0.003753
109	B200300486	BOM	NMIL	1	0.035505	0.035505
110	B200300497	BOM	NMIL	1	0.076524	0.076524
111	B200310019	BOM	NMIL	1	0.004813	0.004813
112	B200330002	BOM	NMIL	2	0.015429	0.030858
113	B200370003	BOM	NMIL	1	0.000962	0.000962
114	B210010019	BOM	NMIL	1	0.033277	0.033277
115	B210060004	BOM	NMIL	1	0.024396	0.024396
116	B210110080	BOM	SPECIAL	1	1.688766	1.688766
117	B210160037	BOM	NMIL	2	0.010000	0.020000
118	B210192750	BOM	NMIL	1	0.013563	0.013563

Total Failure Rate (F/10⁶Hrs) : 4.057926
Mean Time (in hours) Between Failures (MTBF) : **246,431**