



ZIPPY TECHNOLOGY CORP.

Mean Time Between Failures PREDICTION REPORT

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : ZRE-1600K2(RoHS)(PMBus WP1.2)

Approval By		正式 資料 用 章	
Prepared By			

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 : AUG-23-2019 Time : 15:25:12
End Item Title : ZRE SERIES MTBF
End Item Part Number : ZRE-1600K2(RoHS)(PMBus WP1.2)
ZRE-1600K2(RoHS)(PMBus WP1.2) MTBF : 222,580
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : ZRE / MTBF
Module Reference Designation : ZRE
Environmental Condition : GB
Ambient Temperature: 25°C

ZRE-1600K2(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	B106450002	BOM	SPECIAL	1	0.361801	0.361801
2	B106450012	BOM	SPECIAL	1	1.021883	1.021883
3	B106450013	BOM	SPECIAL	1	0.359612	0.359612
4	B106450014	BOM	SPECIAL	1	0.045162	0.045162
5	B200000558	BOM	NMIL	1	0.005248	0.005248
6	B200000603	BOM	NMIL	1	0.005248	0.005248
7	B200010052	BOM	NMIL	2	0.000627	0.001254
8	B200010109	BOM	NMIL	4	0.000627	0.002508
9	B200010242	BOM	NMIL	4	0.056877	0.227508
10	B200020024	BOM	NMIL	1	0.000424	0.000424
11	B200020034	BOM	NMIL	1	0.002941	0.002941
12	B200030107	BOM	NMIL	1	0.001906	0.001906
13	B200040073	BOM	NMIL	4	0.011646	0.046584
14	B200040118	BOM	NMIL	1	0.011646	0.011646
15	B200040162	BOM	NMIL	1	0.003256	0.003256
16	B200040163	BOM	NMIL	3	0.011646	0.034938
17	B200050084	BOM	NMIL	1	0.003013	0.003013
18	B200060033	BOM	NMIL	1	0.007941	0.007941
19	B200090055	BOM	NMIL	1	0.001476	0.001476
20	B200110016	BOM	NMIL	1	0.002896	0.002896
21	B200110042	BOM	NMIL	4	0.002210	0.008840
22	B200110046	BOM	NMIL	1	0.002896	0.002896
23	B200110223	BOM	NMIL	4	0.003039	0.012156
24	B200110235	BOM	NMIL	2	0.002896	0.005792

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	B200110298	BOM	NMIL	4	0.002896	0.011584
26	B200110317	BOM	NMIL	1	0.002896	0.002896
27	B200110325	BOM	NMIL	2	0.002896	0.005792
28	B200110471	BOM	NMIL	1	0.002896	0.002896
29	B200160022	BOM	NMIL	1	0.009711	0.009711
30	B200170015	BOM	NMIL	1	0.003177	0.003177
31	B200170069	BOM	NMIL	2	0.003177	0.006354
32	B200180095	BOM	NMIL	2	0.001907	0.003814
33	B200190065	BOM	NMIL	1	0.010191	0.010191
34	B200190103	BOM	NMIL	1	0.013004	0.013004
35	B200200057	BOM	NMIL	1	0.008988	0.008988
36	B200200126	BOM	NMIL	3	0.010356	0.031068
37	B200200156	BOM	NMIL	2	0.006356	0.012712
38	B200200204	BOM	NMIL	1	0.007306	0.007306
39	B200200230	BOM	NMIL	1	0.007820	0.007820
40	B200220010	BOM	NMIL	1	0.003943	0.003943
41	B200220073	BOM	NMIL	1	0.002605	0.002605
42	B200220082	BOM	NMIL	4	0.001208	0.004832
43	B200220087	BOM	NMIL	1	0.001125	0.001125
44	B200230484	BOM	NMIL	1	0.021670	0.021670
45	B200230568	BOM	NMIL	2	0.014592	0.029184
46	B200240017	BOM	NMIL	2	0.004919	0.009838
47	B200250016	BOM	NMIL	1	0.000213	0.000213
48	B200260407	BOM	NMIL	1	0.000218	0.000218
49	B200260445	BOM	NMIL	1	0.000218	0.000218
50	B200260453	BOM	NMIL	1	0.000218	0.000218
51	B200280012	BOM	NMIL	1	0.000623	0.000623
52	B200290015	BOM	NMIL	2	0.011159	0.022318
53	B200300509	BOM	NMIL	1	0.025956	0.025956
54	B200310019	BOM	NMIL	1	0.004541	0.004541
55	B200360083	BOM	NMIL	1	0.002189	0.002189
56	B200370051	BOM	NMIL	1	0.001196	0.001196
57	B210090254	BOM	SPECIAL	1	2.026319	2.026319
58	B210191722	BOM	NMIL	1	0.000429	0.000429
59	B210192953	BOM	NMIL	1	0.017022	0.017022
60	B210192954	BOM	NMIL	1	0.003870	0.003870

Total Failure Rate (F/10⁶Hrs) : 4.492769
Mean Time (in hours) Between Failures (MTBF) : **222,580**