




ZIPPY TECHNOLOGY CORP.

Mean Time Between Failures  
PREDICTION REPORT

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : ZRE-1930K2(RoHS)(PMBus WP1.2)

Approval By	<i>Jason Yu</i>	正式資料 料 用 章	
Prepared By	<i>Fain 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 : MAY-22-2019      Time : 15:38:42  
End Item Title : ZRE SERIES MTBF  
End Item Part Number : ZRE-1930K2(RoHS)(PMBus WP1.2)  
ZRE-1930K2(RoHS)(PMBus WP1.2) MTBF : 211,746  
Module Title : ZIPPY TECHNOLOGY CORP  
Module Part Number : ZRE / MTBF  
Module Reference Designation : ZRE  
Environmental Condition : GB  
Ambient Temperature: 25°C

**ZRE-1930K2(RoHS)(PMBus WP1.2)**

ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10 <sup>6</sup> Hrs)	Total Failure Rate (F/10 <sup>6</sup> Hrs)
1	B106450002	BOM	SPECIAL	1	0.361801	0.361801
2	B106450003	BOM	SPECIAL	1	0.380918	0.380918
3	B106450004	BOM	SPECIAL	1	1.021883	1.021883
4	B106450006	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	B200010253	BOM	NMIL	2	0.065527	0.131054
10	B200010254	BOM	NMIL	2	0.065527	0.131054
11	B200020024	BOM	NMIL	1	0.000424	0.000424
12	B200020034	BOM	NMIL	1	0.002941	0.002941
13	B200030107	BOM	NMIL	1	0.001906	0.001906
14	B200040073	BOM	NMIL	4	0.011646	0.046584
15	B200040111	BOM	NMIL	1	0.003751	0.003751
16	B200040118	BOM	NMIL	1	0.011646	0.011646
17	B200040161	BOM	NMIL	3	0.011646	0.034938
18	B200050084	BOM	NMIL	1	0.003013	0.003013
19	B200060030	BOM	NMIL	1	0.009149	0.009149
20	B200090055	BOM	NMIL	1	0.001476	0.001476
21	B200110016	BOM	NMIL	1	0.002896	0.002896
22	B200110042	BOM	NMIL	4	0.002210	0.008840
23	B200110046	BOM	NMIL	1	0.002896	0.002896
24	B200110223	BOM	NMIL	4	0.003039	0.012156

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25	B200110235	BOM	NMIL	2	0.002896	0.005792
26	B200110298	BOM	NMIL	4	0.002896	0.011584
27	B200110317	BOM	NMIL	1	0.002896	0.002896
28	B200110325	BOM	NMIL	2	0.002896	0.005792
29	B200110471	BOM	NMIL	1	0.002896	0.002896
30	B200160022	BOM	NMIL	1	0.009711	0.009711
31	B200170015	BOM	NMIL	1	0.003177	0.003177
32	B200170069	BOM	NMIL	3	0.003177	0.009531
33	B200180095	BOM	NMIL	2	0.001907	0.003814
34	B200190065	BOM	NMIL	1	0.010191	0.010191
35	B200190103	BOM	NMIL	1	0.013004	0.013004
36	B200200057	BOM	NMIL	1	0.008988	0.008988
37	B200200126	BOM	NMIL	3	0.010356	0.031068
38	B200200156	BOM	NMIL	2	0.006356	0.012712
39	B200200204	BOM	NMIL	1	0.007306	0.007306
40	B200200230	BOM	NMIL	1	0.007820	0.007820
41	B200220010	BOM	NMIL	1	0.003943	0.003943
42	B200220073	BOM	NMIL	1	0.002605	0.002605
43	B200220082	BOM	NMIL	4	0.001208	0.004832
44	B200220087	BOM	NMIL	1	0.001125	0.001125
45	B200230484	BOM	NMIL	1	0.024965	0.024965
46	B200230568	BOM	NMIL	2	0.016811	0.033622
47	B200240017	BOM	NMIL	2	0.004919	0.009838
48	B200250016	BOM	NMIL	1	0.000245	0.000245
49	B200260268	BOM	NMIL	1	0.000251	0.000251
50	B200260407	BOM	NMIL	1	0.000251	0.000251
51	B200260445	BOM	NMIL	1	0.000251	0.000251
52	B200280012	BOM	NMIL	1	0.000623	0.000623
53	B200290015	BOM	NMIL	2	0.011159	0.022318
54	B200300509	BOM	NMIL	1	0.029903	0.029903
55	B200310019	BOM	NMIL	1	0.005232	0.005232
56	B200360083	BOM	NMIL	1	0.002189	0.002189
57	B200370051	BOM	NMIL	1	0.001196	0.001196
58	B210090232	BOM	SPECIAL	1	2.182912	2.182912
59	B210191722	BOM	NMIL	1	0.000429	0.000429
60	B210192953	BOM	NMIL	1	0.017022	0.017022
61	B210192954	BOM	NMIL	1	0.003870	0.003870

Total Failure Rate (F/10<sup>6</sup>Hrs) : 4.722650

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ITEM #	Part Number	Ref Desig	Qual Level	Quant	Individual Failure Rate (F/10 <sup>6</sup> Hrs)	Total Failure Rate (F/10 <sup>6</sup> Hrs)
					Mean Time (in hours) Between Failures (MTBF) :	211,746