



ZIPPY TECHNOLOGY CORP.

**Mean Time Between Failures
PREDICTION REPORT**

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : R1U-2400K2(RoHS)(PMBus WP1.2)

Approval By	<i>Bruce Lin</i>	正 式 資 料 用 章	
Prepared By	<i>Jain 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 : AUG-29-2018 Time : 16:02:36
End Item Title : R1U SERIES MTBF
End Item Part Number : R1U-2400K2(RoHS)(PMBus WP1.2)
R1U-2400K2(RoHS)(PMBus WP1.2) MTBF : 191,785
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : R1U / MTBF
Module Reference Designation : R1U
Environmental Condition : GB
Ambient Temperature: 25°C

R1U-2400K2(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	B105900010	BOM	SPECIAL	1	0.226012	0.226012
2	B106080002	BOM	SPECIAL	1	0.101232	0.101232
3	B106080003	BOM	SPECIAL	1	0.104791	0.104791
4	B106080004	BOM	SPECIAL	1	0.606885	0.606885
5	B106080005	BOM	SPECIAL	1	0.374260	0.374260
6	B200000296	BOM	NMIL	1	0.005248	0.005248
7	B200000308	BOM	NMIL	2	0.013289	0.026578
8	B200000559	BOM	NMIL	1	0.005483	0.005483
9	B200000603	BOM	NMIL	1	0.005248	0.005248
10	B200000612	BOM	NMIL	1	0.004716	0.004716
11	B200010052	BOM	NMIL	4	0.000337	0.001348
12	B200010056	BOM	NMIL	3	0.000323	0.000969
13	B200010068	BOM	NMIL	1	0.064181	0.064181
14	B200010242	BOM	NMIL	2	0.060285	0.120570
15	B200010252	BOM	NMIL	6	0.072168	0.433008
16	B200010266	BOM	NMIL	1	0.069822	0.069822
17	B200020024	BOM	NMIL	1	0.002332	0.002332
18	B200020034	BOM	NMIL	1	0.016175	0.016175
19	B200030069	BOM	NMIL	1	0.002308	0.002308
20	B200030083	BOM	NMIL	1	0.002308	0.002308
21	B200040073	BOM	NMIL	12	0.011646	0.139752
22	B200040120	BOM	NMIL	1	0.011646	0.011646
23	B200040133	BOM	NMIL	2	0.011646	0.023292
24	B200040147	BOM	NMIL	1	0.002268	0.002268

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25	B200040150	BOM	NMIL	1	0.011646	0.011646
26	B200050081	BOM	NMIL	5	0.003013	0.015065
27	B200050084	BOM	NMIL	1	0.003013	0.003013
28	B200050088	BOM	NMIL	1	0.003013	0.003013
29	B200060029	BOM	NMIL	1	0.012584	0.012584
30	B200090005	BOM	NMIL	1	0.001476	0.001476
31	B200110001	BOM	NMIL	1	0.002896	0.002896
32	B200110035	BOM	NMIL	1	0.002896	0.002896
33	B200110046	BOM	NMIL	1	0.002896	0.002896
34	B200110128	BOM	NMIL	1	0.001551	0.001551
35	B200110162	BOM	NMIL	1	0.002896	0.002896
36	B200110177	BOM	NMIL	1	0.002896	0.002896
37	B200110185	BOM	NMIL	1	0.002896	0.002896
38	B200110192	BOM	NMIL	1	0.002210	0.002210
39	B200110279	BOM	NMIL	1	0.002210	0.002210
40	B200110282	BOM	NMIL	1	0.002896	0.002896
41	B200110337	BOM	NMIL	2	0.003039	0.006078
42	B200110473	BOM	NMIL	3	0.002896	0.008688
43	B200110498	BOM	NMIL	2	0.002210	0.004420
44	B200110523	BOM	NMIL	1	0.002210	0.002210
45	B200110530	BOM	NMIL	1	0.002210	0.002210
46	B200110544	BOM	NMIL	1	0.002210	0.002210
47	B200110608	BOM	NMIL	3	0.002835	0.008505
48	B200110709	BOM	NMIL	1	0.002026	0.002026
49	B200110715	BOM	NMIL	2	0.002896	0.005792
50	B200110733	BOM	NMIL	9	0.002026	0.018234
51	B200110734	BOM	NMIL	1	0.002026	0.002026
52	B200110738	BOM	NMIL	5	0.002026	0.010130
53	B200110739	BOM	NMIL	1	0.002026	0.002026
54	B200110775	BOM	NMIL	1	0.002026	0.002026
55	B200110777	BOM	NMIL	1	0.002026	0.002026
56	B200110808	BOM	NMIL	7	0.002026	0.014182
57	B200110811	BOM	NMIL	1	0.002026	0.002026
58	B200110814	BOM	NMIL	1	0.002026	0.002026
59	B200110819	BOM	NMIL	1	0.002026	0.002026
60	B200110821	BOM	NMIL	1	0.002126	0.002126
61	B200110851	BOM	NMIL	1	0.002026	0.002026
62	B200110870	BOM	NMIL	1	0.002126	0.002126
63	B200110872	BOM	NMIL	1	0.002026	0.002026
64	B200110891	BOM	NMIL	1	0.002126	0.002126

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65	B200110928	BOM	NMIL	1	0.002026	0.002026
66	B200111016	BOM	NMIL	1	0.002026	0.002026
67	B200111021	BOM	NMIL	1	0.002126	0.002126
68	B200111022	BOM	NMIL	1	0.002026	0.002026
69	B200111024	BOM	NMIL	1	0.002026	0.002026
70	B200120170	BOM	NMIL	1	0.004786	0.004786
71	B200160009	BOM	NMIL	1	0.007893	0.007893
72	B200170055	BOM	NMIL	1	0.003721	0.003721
73	B200170071	BOM	NMIL	3	0.003177	0.009531
74	B200180075	BOM	NMIL	3	0.001907	0.005721
75	B200190037	BOM	NMIL	1	0.012538	0.012538
76	B200190072	BOM	NMIL	1	0.010940	0.010940
77	B200200075	BOM	NMIL	1	0.009676	0.009676
78	B200200092	BOM	NMIL	8	0.009620	0.076960
79	B200200116	BOM	NMIL	4	0.004199	0.016796
80	B200200140	BOM	NMIL	1	0.003664	0.003664
81	B200200142	BOM	NMIL	1	0.007306	0.007306
82	B200200158	BOM	NMIL	1	0.004508	0.004508
83	B200200193	BOM	NMIL	1	0.004827	0.004827
84	B200200197	BOM	NMIL	1	0.005939	0.005939
85	B200200207	BOM	NMIL	2	0.005166	0.010332
86	B200200208	BOM	NMIL	5	0.006356	0.031780
87	B200200213	BOM	NMIL	1	0.004224	0.004224
88	B200220020	BOM	NMIL	1	0.003440	0.003440
89	B200220082	BOM	NMIL	3	0.001208	0.003624
90	B200220087	BOM	NMIL	2	0.001125	0.002250
91	B200230210	BOM	NMIL	1	0.008090	0.008090
92	B200230276	BOM	NMIL	3	0.001283	0.003849
93	B200230281	BOM	NMIL	1	0.007791	0.007791
94	B200230288	BOM	NMIL	1	0.001148	0.001148
95	B200230381	BOM	NMIL	1	0.006220	0.006220
96	B200230417	BOM	NMIL	1	0.001637	0.001637
97	B200230436	BOM	NMIL	2	0.001832	0.003664
98	B200230442	BOM	NMIL	1	0.022304	0.022304
99	B200230537	BOM	NMIL	1	0.011988	0.011988
100	B200230538	BOM	NMIL	2	0.013482	0.026964
101	B200240012	BOM	NMIL	1	0.005171	0.005171
102	B200250009	BOM	NMIL	1	0.011259	0.011259
103	B200260266	BOM	NMIL	1	0.009364	0.009364
104	B200260382	BOM	NMIL	1	0.019929	0.019929

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105	B200260413	BOM	NMIL	1	0.010127	0.010127
106	B200280012	BOM	NMIL	1	0.000623	0.000623
107	B200300475	BOM	NMIL	1	0.028071	0.028071
108	B200300476	BOM	NMIL	1	0.003336	0.003336
109	B200310019	BOM	NMIL	1	0.004813	0.004813
110	B200370069	BOM	NMIL	1	0.001373	0.001373
111	B200370081	BOM	NMIL	1	0.000962	0.000962
112	B200370085	BOM	NMIL	1	0.001196	0.001196
113	B210060136	BOM	NMIL	1	0.024396	0.024396
114	B210090232	BOM	SPECIAL	1	2.182912	2.182912
115	B210160060	BOM	NMIL	1	0.010000	0.010000
116	B210192657	BOM	NMIL	1	0.023541	0.023541

Total Failure Rate (F/10⁶Hrs) : 5.214183
Mean Time (in hours) Between Failures (MTBF) : **191,785**