




ZIPPY TECHNOLOGY CORP.

**Mean Time Between Failures
PREDICTION REPORT**

MIL-HDBK-217E, Notice 2

Product : Switching Power Supply

Model/Type : R1T-2300G2(RoHS)(PMBus WP1.2)

Approval By	<i>Roger Chiang</i>	正式資料 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 : APR-02-2019 Time : 09:02:42
End Item Title : R1T SERIES MTBF
End Item Part Number : R1T-2300G2(RoHS)(PMBus WP1.2)
R1T-2300G2(RoHS)(PMBus WP1.2) MTBF : 201,359
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : R1T / MTBF
Module Reference Designation : R1T
Environmental Condition : GB
Ambient Temperature: 25°C

R1T-2300G2(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	B105190015	BOM	SPECIAL	1	0.206753	0.206753
2	B106060002	BOM	SPECIAL	1	0.346834	0.346834
3	B106180003	BOM	SPECIAL	1	0.486756	0.486756
4	B106180007	BOM	SPECIAL	1	0.201411	0.201411
5	B106180009	BOM	SPECIAL	1	0.214111	0.214111
6	B200000521	BOM	NMIL	1	0.005806	0.005806
7	B200010052	BOM	NMIL	2	0.000627	0.001254
8	B200010099	BOM	NMIL	1	0.009694	0.009694
9	B200010109	BOM	NMIL	5	0.000627	0.003135
10	B200010167	BOM	NMIL	2	0.000648	0.001296
11	B200010252	BOM	NMIL	4	0.072168	0.288672
12	B200010253	BOM	NMIL	1	0.065527	0.065527
13	B200010257	BOM	NMIL	2	0.065527	0.131054
14	B200020020	BOM	NMIL	2	0.000424	0.000848
15	B200020024	BOM	NMIL	1	0.000424	0.000424
16	B200020034	BOM	NMIL	1	0.002941	0.002941
17	B200030107	BOM	NMIL	1	0.002308	0.002308
18	B200040073	BOM	NMIL	6	0.011646	0.069876
19	B200040125	BOM	NMIL	1	0.004278	0.004278
20	B200050084	BOM	NMIL	1	0.003013	0.003013
21	B200060025	BOM	NMIL	1	0.003001	0.003001
22	B200090005	BOM	NMIL	1	0.001476	0.001476
23	B200110042	BOM	NMIL	7	0.002210	0.015470
24	B200110123	BOM	NMIL	2	0.002210	0.004420

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	B200110156	BOM	NMIL	2	0.002896	0.005792
26	B200110227	BOM	NMIL	1	0.002896	0.002896
27	B200110235	BOM	NMIL	2	0.002896	0.005792
28	B200110279	BOM	NMIL	1	0.002210	0.002210
29	B200110293	BOM	NMIL	2	0.003039	0.006078
30	B200110317	BOM	NMIL	1	0.002896	0.002896
31	B200110325	BOM	NMIL	1	0.002896	0.002896
32	B200110464	BOM	NMIL	1	0.002896	0.002896
33	B200110502	BOM	NMIL	1	0.002210	0.002210
34	B200110508	BOM	NMIL	1	0.002210	0.002210
35	B200110512	BOM	NMIL	1	0.002210	0.002210
36	B200110564	BOM	NMIL	1	0.002210	0.002210
37	B200110573	BOM	NMIL	3	0.002319	0.006957
38	B200110638	BOM	NMIL	1	0.002319	0.002319
39	B200160011	BOM	NMIL	1	0.008611	0.008611
40	B200170019	BOM	NMIL	1	0.003721	0.003721
41	B200170056	BOM	NMIL	2	0.003177	0.006354
42	B200180098	BOM	NMIL	1	0.001845	0.001845
43	B200180107	BOM	NMIL	1	0.001845	0.001845
44	B200190072	BOM	NMIL	1	0.010940	0.010940
45	B200190098	BOM	NMIL	1	0.004493	0.004493
46	B200200086	BOM	NMIL	2	0.003089	0.006178
47	B200200092	BOM	NMIL	15	0.009620	0.144300
48	B200200156	BOM	NMIL	1	0.006356	0.006356
49	B200200204	BOM	NMIL	1	0.007306	0.007306
50	B200200205	BOM	NMIL	1	0.007820	0.007820
51	B200200218	BOM	NMIL	2	0.009620	0.019240
52	B200220010	BOM	NMIL	1	0.003943	0.003943
53	B200220073	BOM	NMIL	1	0.002605	0.002605
54	B200220074	BOM	NMIL	1	0.002117	0.002117
55	B200220082	BOM	NMIL	5	0.001208	0.006040
56	B200230198	BOM	NMIL	2	0.010543	0.021086
57	B200230531	BOM	NMIL	1	0.021090	0.021090
58	B200240014	BOM	NMIL	1	0.004438	0.004438
59	B200250057	BOM	NMIL	1	0.000231	0.000231
60	B200260208	BOM	NMIL	1	0.000251	0.000251
61	B200260412	BOM	NMIL	1	0.000258	0.000258
62	B200260418	BOM	NMIL	1	0.000219	0.000219
63	B200280012	BOM	NMIL	1	0.000623	0.000623
64	B200290015	BOM	NMIL	2	0.011159	0.022318

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)
65	B200300484	BOM	NMIL	1	0.090676	0.090676
66	B200310019	BOM	NMIL	1	0.005232	0.005232
67	B200370102	BOM	NMIL	1	0.001091	0.001091
68	B200370114	BOM	NMIL	2	0.000962	0.001924
69	B200370115	BOM	NMIL	1	0.001196	0.001196
70	B210060154	BOM	NMIL	1	0.024396	0.024396
71	B210090243	BOM	SPECIAL	1	2.376670	2.376670
72	B210160084	BOM	NMIL	1	0.010000	0.010000
73	B210192686	BOM	NMIL	1	0.000067	0.000067
74	B210192741	BOM	NMIL	1	0.020842	0.020842

Total Failure Rate (F/10⁶Hrs) : 4.966252
 Mean Time (in hours) Between Failures (MTBF) : **201,359**