



ZIPPY TECHNOLOGY CORP.

Mean Time Between Failures PREDICTION REPORT

MIL-HDBK-217F, Notice 2

Product : Switching Power Supply

Model/Type : R1T-2500K2(RoHS)(PMBus WP1.2)

Approval By		正式 資料 用 章	
Prepared By			

ZIPPY TECHNOLOGY CORP.
6F.,NO.48,WUQUAN RD.,
WUGU DIST.,NEW TAIPEI CITY,TAIWAN,R.O.C.
RELIABILITY PREDICTION STANDARD REPORT
(Sorted by Part Number)
MIL-HDBK-217F, Notice 2

Date : APR-07-2022 Time : 11:25:47
End Item Title : R1T SERIES MTBF
End Item Part Number : R1T-2500K2(RoHS)(PMBus WP1.2)
R1T-2500K2(RoHS)(PMBus WP1.2) MTBF : 220,459
Module Title : ZIPPY TECHNOLOGY CORP
Module Part Number : R1T / MTBF
Module Reference Designation : R1T
Environmental Condition : GB
Ambient Temperature: 25°C

R1T-2500K2(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	B106280002	BOM	SPECIAL	1	0.208069	0.208069
2	B106840002	BOM	SPECIAL	1	0.209618	0.209618
3	B106840003	BOM	SPECIAL	1	0.674148	0.674148
4	B106840005	BOM	SPECIAL	1	0.093588	0.093588
5	B200000598	BOM	NMIL	1	0.013289	0.013289
6	B200000687	BOM	NMIL	1	0.007343	0.007343
7	B200000709	BOM	NMIL	1	0.005806	0.005806
8	B200010167	BOM	NMIL	2	0.000648	0.001296
9	B200010253	BOM	NMIL	1	0.065527	0.065527
10	B200010269	BOM	NMIL	3	0.000652	0.001956
11	B200010270	BOM	NMIL	1	0.000652	0.000652
12	B200010283	BOM	NMIL	4	0.072168	0.288672
13	B200010304	BOM	NMIL	2	0.073390	0.146780
14	B200020024	BOM	NMIL	1	0.000414	0.000414
15	B200020037	BOM	NMIL	2	0.000414	0.000828
16	B200020045	BOM	NMIL	1	0.001204	0.001204
17	B200030052	BOM	NMIL	1	0.000712	0.000712
18	B200030079	BOM	NMIL	1	0.002772	0.002772
19	B200030107	BOM	NMIL	1	0.001906	0.001906
20	B200040073	BOM	NMIL	4	0.011646	0.046584
21	B200040120	BOM	NMIL	1	0.014427	0.014427
22	B200040162	BOM	NMIL	1	0.003751	0.003751
23	B200050084	BOM	NMIL	2	0.003013	0.006026
24	B200060041	BOM	NMIL	1	0.003026	0.003026

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25	B200070009	BOM	NMIL	1	0.000649	0.000649
26	B200090005	BOM	NMIL	1	0.001476	0.001476
27	B200110035	BOM	NMIL	1	0.002896	0.002896
28	B200110042	BOM	NMIL	5	0.002210	0.011050
29	B200110046	BOM	NMIL	2	0.002896	0.005792
30	B200110095	BOM	NMIL	1	0.002896	0.002896
31	B200110123	BOM	NMIL	3	0.002210	0.006630
32	B200110126	BOM	NMIL	1	0.002032	0.002032
33	B200110235	BOM	NMIL	1	0.002896	0.002896
34	B200110276	BOM	NMIL	1	0.002896	0.002896
35	B200110293	BOM	NMIL	2	0.003039	0.006078
36	B200110317	BOM	NMIL	1	0.002896	0.002896
37	B200110488	BOM	NMIL	1	0.002210	0.002210
38	B200110489	BOM	NMIL	1	0.002210	0.002210
39	B200110494	BOM	NMIL	1	0.002210	0.002210
40	B200110508	BOM	NMIL	3	0.002210	0.006630
41	B200110512	BOM	NMIL	1	0.002210	0.002210
42	B200110705	BOM	NMIL	1	0.002210	0.002210
43	B200111099	BOM	NMIL	2	0.002210	0.004420
44	B200160011	BOM	NMIL	1	0.008611	0.008611
45	B200170018	BOM	NMIL	2	0.003177	0.006354
46	B200170040	BOM	NMIL	2	0.003177	0.006354
47	B200180098	BOM	NMIL	1	0.001845	0.001845
48	B200180107	BOM	NMIL	1	0.001845	0.001845
49	B200190065	BOM	NMIL	1	0.010191	0.010191
50	B200190106	BOM	NMIL	1	0.012110	0.012110
51	B200200092	BOM	NMIL	15	0.009620	0.144300
52	B200200141	BOM	NMIL	2	0.007820	0.015640
53	B200200153	BOM	NMIL	1	0.005166	0.005166
54	B200200156	BOM	NMIL	1	0.006356	0.006356
55	B200200166	BOM	NMIL	1	0.006824	0.006824
56	B200200204	BOM	NMIL	2	0.007306	0.014612
57	B200200205	BOM	NMIL	1	0.007820	0.007820
58	B200220010	BOM	NMIL	1	0.003943	0.003943
59	B200220073	BOM	NMIL	1	0.002605	0.002605
60	B200220082	BOM	NMIL	3	0.001208	0.003624
61	B200220086	BOM	NMIL	2	0.001208	0.002416
62	B200230354	BOM	NMIL	2	0.011845	0.023690
63	B200230630	BOM	NMIL	1	0.018501	0.018501
64	B200240017	BOM	NMIL	1	0.003652	0.003652

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65	B200260208	BOM	NMIL	1	0.000251	0.000251
66	B200260496	BOM	NMIL	1	0.000258	0.000258
67	B200260497	BOM	NMIL	1	0.000219	0.000219
68	B200280012	BOM	NMIL	1	0.000623	0.000623
69	B200290015	BOM	NMIL	2	0.011159	0.022318
70	B200300569	BOM	NMIL	1	0.090676	0.090676
71	B200310019	BOM	NMIL	1	0.005232	0.005232
72	B200370051	BOM	NMIL	1	0.001196	0.001196
73	B200370114	BOM	NMIL	2	0.000962	0.001924
74	B210060154	BOM	NMIL	1	0.024396	0.024396
75	B210090320	BOM	SPECIAL	1	2.182912	2.182912
76	B210160082	BOM	NMIL	1	0.010000	0.010000
77	B210193538	BOM	NMIL	1	0.020842	0.020842

Total Failure Rate (F/10⁶Hrs) : 4.535987
Mean Time (in hours) Between Failures (MTBF) : **220,459**