

FWS-7600

Reliability Prediction Report

(MTBF)

Report NO : 08I070007

6-09-2008

Issue Date

Wenyuan Yang

Manager

Jessica Chou

Test Engineer

Reliability Prediction (MTBF)

I . **Model Name:** FWS-7600

II . **Prediction Date:** Jun. 9th, 2008

III . **Prediction Site:** AAEON Q.E. Dept.

IV . **Predicted by :** Jessica Chou

V . **Equipment:** Relex Ver.7.3 Visual Reliability Software

VI. **Simulation Environment:**

- Temperature: 25.9 degree C
- Standard: Telcordia (Bellcore) Standard

VII. **Term and Definition:**

- Unit : An assembly of device.
- Duty Cycle : Used to specify the percentage of time that the element is in an on state, and it is equal to the percentage of total time the item is in the active environment.
- Quantity : The quantity of the selected item.
- Failure Rate : Used to specify that the failure rate is to be calculated based the selected Calculation models. The multiplier is 1,000,000.
- MTBF : MTBF is always specified in hours.

VIII. **Prediction Result:**

- FWS-7600
 - Failure Rate: 18.022493 ppm
 - MTBF: 55,486 Hours
- 1757930014 (SPS.90-264V.300W.ATX.1U(20.5cm).CABLE.ZIPPY.P1A-6301P)
 - MTBF: 105,405 Hours

AAEON Reliability Prediction Report

Part Number System
Reference Des
Date 06. 9, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.90



Description Top-level assembly
File Name FWS-7600.RPJ
Time 2:06 下午
Failure Rate 18.022493
MTBF 55,486

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
TF-FWS-7600S2-H30-A10	System	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	18.022493	55,486
ASS'Y PER-C30L-A0.2	9697C30L01-DIP	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	2.966545	337,093
ASS'Y FWB-7600-A10	9697760002-DIP	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	14.840424	67,384
ASS'Y PER-T078-A10	9697T07802	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	0.215524	4,639,847

AAEON Reliability Prediction Report

Part Number 9697C30L01-DIP
Reference Des
Date 06. 9, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.90



Description
File Name FWS-7600.RPJ
Time 2:06 下午
Failure Rate 2.966545
MTBF 337,093

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1231125051	Miscellaneous	Y1,Y2	Bellcore Issue 6	Level I		0.150000	2.00	10.1128	0.300000	6666666.67
1654808304	Connection	USB1	Bellcore Issue 6	Level I		0.004770	1.00	.1608	0.004770	209631972.81
165440910B	Connection	COM1	Bellcore Issue 6	Level I		0.005367	1.00	.1809	0.005367	186339531.39
1119647191	Capacitor	EC3-CE5	Bellcore Issue 6	Level I		0.074535	3.00	7.5376	0.223606	13416446.26
1111610199	Capacitor	EC1,EC2	Bellcore Issue 6	Level I		0.044721	2.00	3.0150	0.089442	22360743.77
1304414610	Semiconductor	PSALED1	Bellcore Issue 6	Level I		0.005294	1.00	.1784	0.005294	188909072.26
1601110201	Connection	RSW1	Bellcore Issue 6	Level I		0.002385	1.00	.0804	0.002385	419263945.62
1751300002	Integrated Circuit	RELAY1-RALEY8	Bellcore Issue 6	Level I		0.063394	8.00	17.0956	0.507149	15774449.75
165251220B	Connection	LAN1,LAN2	Bellcore Issue 6	Level I		0.007155	2.00	.4824	0.014311	139754648.54
105A700003	Resistor	R119,R122-R124,R27,R28,R35,R41-R50,R53,R72,R73,R80,R86,R95,R98,RS1,RS10,RS5	Bellcore Issue 6	Level I		0.002308	19.00	1.4782	0.043851	433288366.03
105A703323	Resistor	R11,R12,R19-R21,R58,R63,R65-R67,RS11,RS2-RS4,RS6-RS9	Bellcore Issue 6	Level I		0.002308	18.00	1.4004	0.041543	433288366.03
105A704703	Resistor	R13,R15,R16,R18,R57,R59,R60,R62	Bellcore Issue 6	Level I		0.002308	8.00	.6224	0.018463	433288366.03
105A704723	Resistor	R121	Bellcore Issue 6	Level I		0.002308	1.00	.0778	0.002308	433288366.03
105A700133	Resistor	R102,R105,R108,R110,R112,R114-R116,R118	Bellcore Issue 6	Level I		0.002308	8.00	.6224	0.018463	433288366.03
105A733003	Resistor	R10,R2,R5,R9	Bellcore Issue 6	Level I		0.002308	4.00	.3112	0.009232	433288366.03
1059700101	Resistor	R51,R52,R54,R96,R97,R99	Bellcore Issue 6	Level I		0.002308	6.00	.4668	0.013848	433288366.03
105A510003	Resistor	R4,R6	Bellcore Issue 6	Level I		0.002308	2.00	.1556	0.004616	433288366.03
105A549913	Resistor	R17,R61	Bellcore Issue 6	Level I		0.002308	2.00	.1556	0.004616	433288366.03
105A549963	Resistor	R30-R33,R36-R39,R75-R78,R81-R84	Bellcore Issue 6	Level I		0.002308	16.00	1.2448	0.036927	433288366.03
105A705103	Resistor	R101,R104,R107,R109,R111,R113-R115,R117	Bellcore Issue 6	Level I		0.002308	8.00	.6224	0.018463	433288366.03
105A747033	Resistor	R1,R7	Bellcore Issue 6	Level I		0.002308	2.00	.1556	0.004616	433288366.03
105A756033	Resistor	R3,R8	Bellcore Issue 6	Level I		0.002308	2.00	.1556	0.004616	433288366.03
1212308054	Inductor	FB10,FB4-FB6,FB8,FB9	Bellcore Issue 6	Level I		0.002308	6.00	.4668	0.013848	433288366.03
1124522080	Capacitor	C27,C28,C6,C7	Bellcore Issue 6	Level I		0.004616	4.00	.6224	0.018463	216644183.01
1124547180	Capacitor	C10,C14,C31,C35	Bellcore Issue 6	Level I		0.004616	4.00	.6224	0.018463	216644183.01
1129747650	Capacitor	C15,C17-C19,C21-C23,C36,C38-C40,C42-C44	Bellcore Issue 6	Level I		0.004616	14.00	2.1784	0.064622	216644183.01
1129610260	Capacitor	C13,C34	Bellcore Issue 6	Level I		0.004616	2.00	.3112	0.009232	216644183.01

AAEON Reliability Prediction Report

Part Number 9697760002-DIP
Reference Des
Date 06. 9, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.90

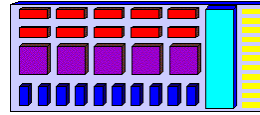


Description
File Name FWS-7600.RPJ
Time 2:06 下午
Failure Rate 14.840424
MTBF 67,384

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate,%	Failure Rate	MTBF, Unit
1119610291	Capacitor	EC21,EC25-EC29,EC31-EC34,EC3-8-EC40,EC42-EC44,EC47,EC48	Bellcore Issue 6	Level I		0.074535	18.00	9.0404	1.341637	13416446.26
1750220320	Connection	BT1	Bellcore Issue 6	Level I		0.001193	1.00	.0080	0.001193	838527891.23
1759100002	Miscellaneous	BZ1	Bellcore Issue 6	Level I		0.150000	1.00	1.0108	0.150000	6666666.67
1653002100	Connection	JP2,JP4	Bellcore Issue 6	Level I		0.001193	2.00	.0161	0.002385	838527891.23
1653003100	Connection	JP3	Bellcore Issue 6	Level I		0.001789	1.00	.0121	0.001789	559018594.16
1653004200	Connection	FP1,FP2	Bellcore Issue 6	Level I		0.004770	2.00	.0643	0.009541	209631972.81
1653005200	Connection	CN4,CN6	Bellcore Issue 6	Level I		0.005963	2.00	.0804	0.011926	167705578.25
1655004011	Connection	PWR1,PWR2	Bellcore Issue 6	Level I		0.023851	2.00	.3214	0.047703	41926394.56
1231232722	Miscellaneous	Y2	Bellcore Issue 6	Level I		0.150000	1.00	1.0108	0.150000	6666666.67
1653205203	Connection	COM2	Bellcore Issue 6	Level I		0.005963	1.00	.0402	0.005963	167705578.25
1655003120	Connection	FAN1-FAN3	Bellcore Issue 6	Level I		0.023851	3.00	.4822	0.071554	41926394.56
1653220208	Connection	IDE1	Bellcore Issue 6	Level I		0.023851	1.00	.1607	0.023851	41926394.56
1812850290	Resistor	VR1	Bellcore Issue 6	Level I		0.142945	1.00	.9632	0.142945	6995705.53
1655404020	Connection	ATX1	Bellcore Issue 6	Level I		0.023851	1.00	.1607	0.023851	41926394.56
1655008120	Connection	CN1	Bellcore Issue 6	Level I		0.004770	1.00	.0321	0.004770	209631972.81
1653302150	Connection	JH	Bellcore Issue 6	Level I		0.001193	1.00	.0080	0.001193	838527891.23
1119647191	Capacitor	EC17,EC37,EC41,EC50-EC58,EC6-EC9	Bellcore Issue 6	Level I		0.074535	14.00	7.0314	1.043495	13416446.26
1111647191	Capacitor	EC12,EC18	Bellcore Issue 6	Level I		0.074535	2.00	1.0045	0.149071	13416446.26
16515C0492	Connection	DIMM2,DIMM4	Bellcore Issue 6	Level I		0.143108	2.00	1.9286	0.286216	6987732.43
1211101161	Inductor	L3	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
1211101264	Inductor	L12,L13,L9	Bellcore Issue 6	Level I		0.002308	3.00	.0467	0.006924	433288366.03
1655424020	Connection	ATX2	Bellcore Issue 6	Level I		0.023851	1.00	.1607	0.023851	41926394.56
1654907003	Connection	SATA1,SATA2	Bellcore Issue 6	Level I		0.004174	2.00	.0563	0.008348	239579397.50
1111610199	Capacitor	EC45,EC46,EC49,EC59	Bellcore Issue 6	Level I		0.044721	4.00	1.2054	0.178885	22360743.77
111961029H	Capacitor	EC16,EC35,EC36	Bellcore Issue 6	Level I		0.074535	3.00	1.5067	0.223606	13416446.26
1653212203	Connection	LCMA1	Bellcore Issue 6	Level I		0.014311	1.00	.0964	0.014311	69877324.27
16515C0495	Connection	DIMM1,DIMM3	Bellcore Issue 6	Level I		0.143108	2.00	1.9286	0.286216	6987732.43
175011901H	Miscellaneous	BT1	Bellcore Issue 6	Level I		0.900000	1.00	6.0645	0.900000	1111111.11
14S6200800	Integrated Circuit	U23	Bellcore Issue 6	Level I		0.205308	1.00	1.3834	0.205308	4870738.50

AAEON Reliability Prediction Report

Part Number 9697760002-DIP
Reference Des
Date 06. 9, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.90



Description
File Name FWS-7600.RPJ
Time 2:06 下午
Failure Rate 14.840424
MTBF 67,384

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1169682191	Capacitor	EC10,EC11,CE14,EC15,EC19,EC2-0,EC22-EC24,EC30	Bellcore Issue 6	Level I		0.005498	10.00	.3705	0.054978	181892521.70
1181633112	Capacitor	EC13,EC3-EC5,EC7,EC8	Bellcore Issue 6	Level I		0.004616	6.00	.1866	0.027695	216644183.01
1654282205	Connection	GPCIE1-GPCIE3	Bellcore Issue 6	Level I		0.097790	3.00	1.9768	0.293371	10225949.89
1653004211	Connection	CN2	Bellcore Issue 6	Level I		0.004770	1.00	.0321	0.004770	209631972.81
105A500233	Resistor	R325,R328,R537,R74	Bellcore Issue 6	Level I		0.002308	4.00	.0622	0.009232	433288366.03
105A501033	Resistor	R114	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
105A700003	Resistor	R109,R15,R16,R161,R164,R17,R1-75,R199,R216,R23,R230-R233,R2-43,R244,R259,R260,R267,R273,R2-8,R285,R29,R300-R304,R310	Bellcore Issue 6	Level I		0.002308	29.00	.4510	0.066930	433288366.03
105A700003	Resistor	R329,R33,R427,R439,R445,R45,R-458,R478,R498,R50-R52,R562,R5-64,R566,R568,R569,R572,R573,R6-6,R69,R75,R93,RS10,RS15,RS17	Bellcore Issue 6	Level I		0.002308	26.00	.4043	0.060006	433288366.03
105A700003	Resistor	RS4-RS7,RS9	Bellcore Issue 6	Level I		0.002308	5.00	.0778	0.011540	433288366.03
105A701003	Resistor	R194,R206,R215,R460,R463,R464-R471	Bellcore Issue 6	Level I		0.002308	7.00	.1089	0.016156	433288366.03
105A701053	Resistor	R249	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
105A702203	Resistor	R253,R288-R295,R333-R340	Bellcore Issue 6	Level I		0.002308	17.00	.2644	0.039235	433288366.03
105A702223	Resistor	R156,R180,R184,R191,R196,R53,-R59,R92	Bellcore Issue 6	Level I		0.002308	8.00	.1244	0.018463	433288366.03
105A703303	Resistor	R100,R101,R103-R108,R120,R123-R133,R135-R139,R153,R159,R160-R166,R213,R217,R218,R222,R250-R312,R315,R321,R96-R99	Bellcore Issue 6	Level I		0.002308	41.00	.6376	0.094625	433288366.03
105A703323	Resistor	R252,R263	Bellcore Issue 6	Level I		0.002308	2.00	.0311	0.004616	433288366.03
105A704723	Resistor	R11-R14,R19,R200,R248,R313,R3-31,R363,R365,R367,R368,R382-R-390,R392,R401,R521,R522,R525,R-528,R72,R91,RS12-RS14	Bellcore Issue 6	Level I		0.002308	33.00	.5132	0.076162	433288366.03
105A705623	Resistor	R236	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
105A707503	Resistor	R423	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
105A708223	Resistor	R118,R134,R140,R152,R162,R163-R168,R169,R171,R186,R208,R239-R353,R369-R371,R379,R380,R44-R474,R475,R479,R481,R485	Bellcore Issue 6	Level I		0.002308	24.00	.3732	0.055390	433288366.03

AAEON Reliability Prediction Report

Part Number 9697760002-DIP
Reference Des
Date 06. 9, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.90



Description
File Name FWS-7600.RPJ
Time 2:06 下午
Failure Rate 14.840424
MTBF 67,384

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate,%	Failure Rate	MTBF, Unit
105A708223	Resistor	R492-R495,R497,R500,R504-R506-R509-R512,R54,R549,R550,R19	Bellcore Issue 6	Level I		0.002308	17.00	.2644	0.039235	433288366.03
105A700133	Resistor	R181,R195,R240,R246,R3,R320,R-322,R396,R42,R484,R491,R499,R5-15,R520,R529,R61,R77,RS18	Bellcore Issue 6	Level I		0.002308	18.00	.2799	0.041543	433288366.03
105A733003	Resistor	R255,R271,R272,R348,R483	Bellcore Issue 6	Level I		0.002308	5.00	.0778	0.011540	433288366.03
105A701033	Resistor	R158,R170,R172-R174,R178,R197-R198,R201,R203,R205,R234,R237-R238,R24,R247,R26,R261,R296,R-324,R332,R341,R345,R352,R362	Bellcore Issue 6	Level I		0.002308	25.00	.3888	0.057698	433288366.03
105S701033	Resistor	R364,R372,R43,R47,R486,R490,R-496,R519,R523,R524,R531-R536,-R545-R548,R551,R553,R58,R6,R62-RS1,RS2	Bellcore Issue 6	Level I		0.002308	27.00	.4199	0.062314	433288366.03
105A722003	Resistor	R115	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
105A747003	Resistor	R202,R410,R411,R418	Bellcore Issue 6	Level I		0.002308	4.00	.0622	0.009232	433288366.03
1050700002	Resistor	R251	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
1059700101	Resistor	R1,R21,R25,R4	Bellcore Issue 6	Level I		0.002308	4.00	.0622	0.009232	433288366.03
105A710053	Resistor	R366,R489	Bellcore Issue 6	Level I		0.013848	2.00	.1866	0.027695	72214727.67
105A500133	Resistor	R305,R327,R330,R513,R514,R516-R517,R539,R540,R543,R544	Bellcore Issue 6	Level I		0.002308	11.00	.1711	0.025387	433288366.03
105A501533	Resistor	R542	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
105A503323	Resistor	R326	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
105A504763	Resistor	R351	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
105A510003	Resistor	R286,R299,R35,R518,R60	Bellcore Issue 6	Level I		0.002308	5.00	.0778	0.011540	433288366.03
105A515003	Resistor	R298,R431	Bellcore Issue 6	Level I		0.002308	2.00	.0311	0.004616	433288366.03
105A549963	Resistor	R141-R150,R278-R283,R354-R361-R424,R429,R437,R443,R444,R449-R452,R462,R78-R87	Bellcore Issue 6	Level I		0.002308	42.00	.6532	0.096933	433288366.03
105A561903	Resistor	R220	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
105A701523	Resistor	R254	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
105A702033	Resistor	R319,R350	Bellcore Issue 6	Level I		0.002308	2.00	.0311	0.004616	433288366.03
105A702233	Resistor	R68	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
105A702723	Resistor	R154,R155	Bellcore Issue 6	Level I		0.002308	2.00	.0311	0.004616	433288366.03
105A703903	Resistor	R430	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03

AAEON Reliability Prediction Report

Part Number 9697760002-DIP
Reference Des
Date 06. 9, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.90



Description
File Name FWS-7600.RPJ
Time 2:06 下午
Failure Rate 14.840424
MTBF 67,384

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A704733	Resistor	R373,R374	Bellcore Issue 6	Level I		0.002308	2.00	.0311	0.004616	433288366.03
105A705103	Resistor	R402,R404,R433,R435,R441,R442-R446,R467,R482	Bellcore Issue 6	Level I		0.002308	9.00	.1400	0.020771	433288366.03
105A710033	Resistor	R391	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
105A712033	Resistor	R38	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
105A747033	Resistor	R275,R317,R347,R376	Bellcore Issue 6	Level I		0.002308	4.00	.0622	0.009232	433288366.03
105A756033	Resistor	R276,R318,R323,R375	Bellcore Issue 6	Level I		0.002308	4.00	.0622	0.009232	433288366.03
105A768003	Resistor	R394,R397-R399,R405,R407-R409-R416	Bellcore Issue 6	Level I		0.002308	9.00	.1400	0.020771	433288366.03
105A502233	Resistor	R552	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
1212306031	Inductor	FB6	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
1212308054	Inductor	FB1,FB12,FB13,FB17-FB19,FB21,-FB8	Bellcore Issue 6	Level I		0.002308	8.00	.1244	0.018463	433288366.03
1121501680	Capacitor	BC173,BC23,BC26,BC27	Bellcore Issue 6	Level I		0.004616	4.00	.1244	0.018463	216644183.01
1121722650	Capacitor	C102,C107,C108,C124,C166,C181-C96	Bellcore Issue 6	Level I		0.004616	7.00	.2177	0.032311	216644183.01
1124412080	Capacitor	C132	Bellcore Issue 6	Level I		0.004616	1.00	.0311	0.004616	216644183.01
1124410080	Capacitor	C41,C42,C62,C64,C70-C76	Bellcore Issue 6	Level I		0.004616	11.00	.3421	0.050774	216644183.01
1124522180	Capacitor	C154,C156,C157,C162,C94	Bellcore Issue 6	Level I		0.004616	5.00	.1555	0.023079	216644183.01
1300001440	Semiconductor	D3,D4	Bellcore Issue 6	Level I		0.024505	2.00	.3302	0.049010	40808282.24
1124433080	Capacitor	C150	Bellcore Issue 6	Level I		0.004616	1.00	.0311	0.004616	216644183.01
1124547080	Capacitor	C110,C111,C3-C6	Bellcore Issue 6	Level I		0.004616	6.00	.1866	0.027695	216644183.01
1124547180	Capacitor	C119	Bellcore Issue 6	Level I		0.004616	1.00	.0311	0.004616	216644183.01
1540700080	Resistor	RN21	Bellcore Issue 6	Level I		0.006508	1.00	.0439	0.006508	153667283.55
1129747650	Capacitor	C105,C106,C112,C115,C118,C122-C123,C171,C173,C202,C204,C208-C77,C9,C98	Bellcore Issue 6	Level I		0.004616	15.00	.4665	0.069238	216644183.01
1540701380	Resistor	RN24	Bellcore Issue 6	Level I		0.006508	1.00	.0439	0.006508	153667283.55
1300283540	Semiconductor	DD6	Bellcore Issue 6	Level I		0.024505	1.00	.1651	0.024505	40808282.24
1301005440	Semiconductor	DD2-DD5	Bellcore Issue 6	Level I		0.024505	4.00	.6605	0.098019	40808282.24
1540782280	Resistor	RN22,RN4-RN6,RN8	Bellcore Issue 6	Level I		0.006508	5.00	.2193	0.032538	153667283.55
1305099140	Semiconductor	Q24,Q25	Bellcore Issue 6	Level I		0.081683	2.00	1.1008	0.163366	12242484.67
1310222210	Semiconductor	Q15,Q20,Q32,Q33	Bellcore Issue 6	Level I		0.024505	4.00	.6605	0.098019	40808282.24

AAEON Reliability Prediction Report

Part Number 9697760002-DIP
Reference Des
Date 06. 9, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.90

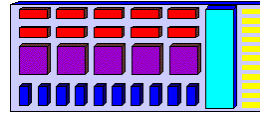


Description
File Name FWS-7600.RPJ
Time 2:06 下午
Failure Rate 14.840424
MTBF 67,384

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1311390610	Semiconductor	Q22	Bellcore Issue 6	Level I		0.024505	1.00	.1651	0.024505	40808282.24
1124568080	Capacitor	C145,C30,C33,C47	Bellcore Issue 6	Level I		0.004616	4.00	.1244	0.018463	216644183.01
1314111713	Integrated Circuit	U24	Bellcore Issue 6	Level I		0.063394	1.00	.4272	0.063394	15774449.75
1651203291	Connection	U23	Bellcore Issue 6	Level I		0.019081	1.00	.1286	0.019081	52407993.20
1540733082	Resistor	RN10-RN16,RN23	Bellcore Issue 6	Level I		0.006508	8.00	.3508	0.052061	153667283.55
1540747282	Resistor	RN1,RN17-RN20	Bellcore Issue 6	Level I		0.006508	5.00	.2193	0.032538	153667283.55
1315700211	Semiconductor	Q34	Bellcore Issue 6	Level I		0.081683	1.00	.5504	0.081683	12242484.67
14S5A01400	Integrated Circuit	U16,U17	Bellcore Issue 6	Level I		0.063394	2.00	.8543	0.126787	15774449.75
105A575003	Resistor	R395,R400,R67,R90	Bellcore Issue 6	Level I		0.002308	4.00	.0622	0.009232	433288366.03
105A530003	Resistor	R117,R89	Bellcore Issue 6	Level I		0.002308	2.00	.0311	0.004616	433288366.03
105A505633	Resistor	R554	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
105A733033	Resistor	R245	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
1211104760	Inductor	L6,L7	Bellcore Issue 6	Level I		0.087701	2.00	1.1819	0.175403	11402325.42
105A549903	Resistor	R417	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
105A530103	Resistor	R214	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
105A512403	Resistor	R209,R468,R469,R470,R472	Bellcore Issue 6	Level I		0.002308	5.00	.0778	0.011540	433288366.03
105A527463	Resistor	R420	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
1050504760	Resistor	R349,R527	Bellcore Issue 6	Level I		0.002308	2.00	.0311	0.004616	433288366.03
1059710003	Resistor	R316,RS16	Bellcore Issue 6	Level I		0.002308	2.00	.0311	0.004616	433288366.03
1121615080	Capacitor	C103,C104	Bellcore Issue 6	Level I		0.004616	2.00	.0622	0.009232	216644183.01
1124701780	Capacitor	C100,C109,C113,C120,C126,C131-C136,C141,C147,C152,C153,C158-C159,C163,C165,C170,C176,C184-C190,C192,C194,C196,C203	Bellcore Issue 6	Level I		0.004616	23.00	.7154	0.106165	216644183.01
1124701780	Capacitor	C211-C213,C65,C66,C69,C95,C97	Bellcore Issue 6	Level I		0.004616	8.00	.2488	0.036927	216644183.01
1124701680	Capacitor	BC1,BC10,BC106,BC107,BC11,BC12,BC121,BC13,BC132-BC172,BC14-BC16,BC174-BC277,BC18,BC19-BC2,BC21,BC22,BC24,BC25,BC28	Bellcore Issue 6	Level I		0.004616	164.00	5.1009	0.757002	216644183.01
1124701680	Capacitor	BC29-BC54,BC3-BC5,BC56-BC59,-BC6,BC61,BC62,BC64,BC65,BC68-BC7,BC70,BC72,BC74,BC77,BC78-BC8,BC80,BC82,BC84-BC96,BC9	Bellcore Issue 6	Level I		0.004616	62.00	1.9284	0.286184	216644183.01
1310390411	Semiconductor	Q16-Q19,Q21,Q27,Q35	Bellcore Issue 6	Level I		0.024505	7.00	1.1559	0.171534	40808282.24

AAEON Reliability Prediction Report

Part Number 9697760002-DIP
Reference Des
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Temp. (°C) 25.90



Description
File Name FWS-7600.RPJ
Time 2:06 下午
Failure Rate 14.840424
MTBF 67,384

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1121610180	Capacitor	C142,C143,C214,C50	Bellcore Issue 6	Level I		0.004616	4.00	.1244	0.018463	216644183.01
14S5A23200	Integrated Circuit	U29	Bellcore Issue 6	Level I		0.041424	1.00	.2791	0.041424	24140485.85
105A700103	Resistor	R507	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
1211101002	Inductor	L10	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
1174518180	Capacitor	CP1-CP6	Bellcore Issue 6	Level I		0.005498	6.00	.2223	0.032987	181892521.70
105A513003	Resistor	R40,R56	Bellcore Issue 6	Level I		0.002308	2.00	.0311	0.004616	433288366.03
105A506823	Resistor	R112	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
1129701790	Capacitor	C128,C129,C134,C135,C198-C201	Bellcore Issue 6	Level I		0.004616	8.00	.2488	0.036927	216644183.01
1121733380	Capacitor	C38	Bellcore Issue 6	Level I		0.004616	1.00	.0311	0.004616	216644183.01
105A702263	Resistor	R22,R268,R284,R32,R343,R48,R7	Bellcore Issue 6	Level I		0.002308	7.00	.1089	0.016156	433288366.03
1059702261	Resistor	R10,R31,R46,R49,R5,R64,R8,R9	Bellcore Issue 6	Level I		0.002308	8.00	.1244	0.018463	433288366.03
105A547503	Resistor	R102,R287	Bellcore Issue 6	Level I		0.002308	2.00	.0311	0.004616	433288366.03
105A524963	Resistor	R451,R480,R501,R502	Bellcore Issue 6	Level I		0.002308	4.00	.0622	0.009232	433288366.03
1121610060	Capacitor	TC1,TC4-TC8	Bellcore Issue 6	Level I		0.004616	6.00	.1866	0.027695	216644183.01
1189647080	Capacitor	C57	Bellcore Issue 6	Level I		0.004616	1.00	.0311	0.004616	216644183.01
121230805D	Inductor	FB9	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
105A706203	Resistor	R219,R412,R413,R415,R419,R421- R422,R425,R426,R448,R450,R454- R455,R457,R503,R508	Bellcore Issue 6	Level I		0.002308	16.00	.2488	0.036927	433288366.03
121231206E	Inductor	FB7	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
1654262300	Connection	MPCI1	Bellcore Issue 6	Level I		0.073939	1.00	.4982	0.073939	13524643.41
1211100109	Inductor	L11	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
105A522663	Resistor	R204	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
1124401880	Capacitor	C10,C116,C121,C125,C148,C21,C- 23,C51,C67,C68,C7	Bellcore Issue 6	Level I		0.004616	11.00	.3421	0.050774	216644183.01
121230603H	Inductor	FB14,FB22	Bellcore Issue 6	Level I		0.002308	2.00	.0311	0.004616	433288366.03
1653925216	Connection	CFD1	Bellcore Issue 6	Level I		0.029814	1.00	.2009	0.029814	33541115.65
1121701080	Capacitor	C1,C101,C11,C12,C127,C13,C137- C139,C151,C155,C160,C161,C164- C167-C169,C172,C174,C175,C177- C180,C182,C183,C185-C189	Bellcore Issue 6	Level I		0.004616	32.00	.9953	0.147708	216644183.01
1121701080	Capacitor	C191,C193,C195,C197,C2,C205-C- 207,C209,C210,C24,C26-C28,C56,- C61,C78-C84,C8,C86-C93,C99	Bellcore Issue 6	Level I		0.004616	32.00	.9953	0.147708	216644183.01

AAEON Reliability Prediction Report

Part Number 9697760002-DIP
Reference Des
Date 06. 9, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.90



Description
File Name FWS-7600.RPJ
Time 2:06 下午
Failure Rate 14.840424
MTBF 67,384

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1189922180	Capacitor	C14,C15	Bellcore Issue 6	Level I		0.004616	2.00	.0622	0.009232	216644183.01
1129722060	Capacitor	C130,C146,C31,C32,C34-C37,C43--C45,C48,C49,C52-C55,C58,C60,C-63	Bellcore Issue 6	Level I		0.004616	20.00	.6221	0.092317	216644183.01
106B701032	Resistor	RT1,RT2,RT4	Bellcore Issue 6	Level I		0.011926	3.00	.2411	0.035777	83852789.12
1129610051	Capacitor	TC10-TC12,TC14-TC22,TC2,TC24--TC32,TC3,TC35,TC37-TC48,TC9	Bellcore Issue 6	Level I		0.004616	37.00	1.1508	0.170787	216644183.01
121230603L	Inductor	FB10,FB2-FB5	Bellcore Issue 6	Level I		0.002308	5.00	.0778	0.011540	433288366.03
14S9080900	Integrated Circuit	U20	Bellcore Issue 6	Level I		0.063394	1.00	.4272	0.063394	15774449.75
1300414844	Semiconductor	D1,D5-D9	Bellcore Issue 6	Level I		0.024505	6.00	.9907	0.147029	40808282.24
105A580663	Resistor	R264,R265	Bellcore Issue 6	Level I		0.002308	2.00	.0311	0.004616	433288366.03
14S4410100	Integrated Circuit	U12	Bellcore Issue 6	Level I		0.041424	1.00	.2791	0.041424	24140485.85
105A527423	Resistor	R110	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
121230805Z	Inductor	FB11,FB15,FB16,FB20	Bellcore Issue 6	Level I		0.002308	4.00	.0622	0.009232	433288366.03
121110010P	Inductor	L18,L8	Bellcore Issue 6	Level I		0.087701	2.00	1.1819	0.175403	11402325.42
105A501623	Resistor	R344	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
14S4650601	Integrated Circuit	U3	Bellcore Issue 6	Level I		0.063394	1.00	.4272	0.063394	15774449.75
14S4362703	Integrated Circuit	U28	Bellcore Issue 6	Level I		0.041424	1.00	.2791	0.041424	24140485.85
1121501690	Capacitor	BC100-BC105,BC108-BC120,BC12-2-BC131,BC60,BC63,BC66,BC67,-BC69,BC71,BC73,BC75,BC76,BC7-9,BC81,BC83,BC97-BC99	Bellcore Issue 6	Level I		0.004616	44.00	1.3685	0.203098	216644183.01
123131435B	Miscellaneous	Y1	Bellcore Issue 6	Level I		0.150000	1.00	1.0108	0.150000	6666666.67
1540743080	Resistor	RN2,RN3,RN7,RN9	Bellcore Issue 6	Level I		0.006508	4.00	.1754	0.026030	153667283.55
105A704303	Resistor	R221,R224-R229,R235	Bellcore Issue 6	Level I		0.002308	8.00	.1244	0.018463	433288366.03
105A584563	Resistor	R223	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
105A505173	Resistor	R210,R262,R266	Bellcore Issue 6	Level I		0.002308	3.00	.0467	0.006924	433288366.03
105A516963	Resistor	R212	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
105A521003	Resistor	R211,R461,R465,R466,R473	Bellcore Issue 6	Level I		0.002308	5.00	.0778	0.011540	433288366.03
105A517413	Resistor	R346	Bellcore Issue 6	Level I		0.002308	1.00	.0156	0.002308	433288366.03
1315344310	Integrated Circuit	U1	Bellcore Issue 6	Level I		0.063394	1.00	.4272	0.063394	15774449.75
14S4653701	Integrated Circuit	U27	Bellcore Issue 6	Level I		0.063394	1.00	.4272	0.063394	15774449.75
14S428010A	Integrated Circuit	U21	Bellcore Issue 6	Level I	19.80	0.122602	1.00	.8261	0.122602	8156447.55

