

AEC-6520

Reliability Prediction Report

(MTBF)

Report NO : 08P070010

07-25-2008

Issue Date

Wenyuan Yang

Manager

Jessica Chou

Test Engineer

Reliability Prediction (MTBF)

I . **Model Name:** TF-AEC-6520-A1-1110

II . **Prediction Date:** Jul. 25, 2008

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

IV . **Predicted by:** Jessica Chou

V . **Simulation Environment:**

- Temperature: 25.3 degree C
- Standard: Telcordia (Bellcore Issue 6) Standard

VI . **Term and Definition:**

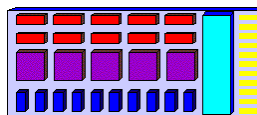
- Unit : An assembly of device.
- Duty Cycle : Used to specify the percentage of time that the element is in an on state, and it is equal to the percentage of total time the item is in the active environment.
- Quantity : The quantity of the selected item.
- Failure Rate : Used to specify that the failure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

VII . **Prediction Result:**

- TF-AEC-6520-A1-1110
Failure Rate: 12.481076 ppm
MTBF: 80,121 Hours
- 1757903600 (Power Adapter.12V.36W.FSP.FSP036-1AD101C
MTBF:The subject adapter have a minimum predicted MTBF of 100,000 hours of continuous operation at 25°C , maximum-output load, and nominal AC input voltage.

AAEON Reliability Prediction Report

Part Number
Reference Des
Date 07. 25, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.30

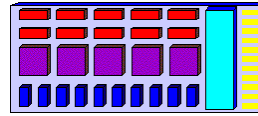


Description Top-level assembly
File Name TF-AEC-6520-A1-1110.RPJ
Time 3:02 下午
Failure Rate 12.481076
MTBF 80,121

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
TF-AEC-6520-A1-1110		Belcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	12.481076	80,121
ASS'Y Power Board	9697P02D11-DIP	Belcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	1.265920	789,940
P02D								
GENE-8310-A11	969783100X	Belcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	11.214000	89,174

AAEON Reliability Prediction Report

Part Number
Reference Des
Date 07. 25, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.30

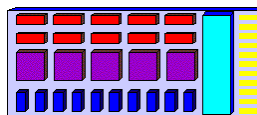


Description Top-level assembly
File Name TF-AEC-6520-A1-1110.RPJ
Time 3:02 下午
Failure Rate 12.481076
MTBF 80,121

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1656103011	Connection	HOUSING	Bellcore Issue 6	Level I		0.001156	1.00	100.0000	0.001156	865125403.57

AAEON Reliability Prediction Report

Part Number 9697P02D11-DIP
Reference Des
Date 07. 25, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.30

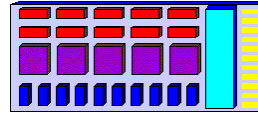


Description
File Name TF-AEC-6520-A1-1110.RPJ
Time 3:02 下午
Failure Rate 1.265920
MTBF 789,940

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1653002101	Connection	JP5	Bellcore Issue 6	Level I		0.001156	1.00	.0913	0.001156	865125403.57
1653003101	Connection	JP1	Bellcore Issue 6	Level I		0.001156	1.00	.0913	0.001156	865125403.57
1655004011	Connection	JP2	Bellcore Issue 6	Level I		0.001156	1.00	.0913	0.001156	865125403.57
1655305020	Connection	J1	Bellcore Issue 6	Level I		0.001156	1.00	.0913	0.001156	865125403.57
1211101001	Inductor	L1	Bellcore Issue 6	Level I		0.002281	1.00	.1802	0.002281	438391989.82
1655103010	Connection	SW1	Bellcore Issue 6	Level I		0.023118	1.00	1.8262	0.023118	43256270.18
1119622200	Capacitor	CE1	Bellcore Issue 6	Level I		0.072244	1.00	5.7068	0.072244	13842006.46
1656304022	Connection	JP4	Bellcore Issue 6	Level I		0.001156	1.00	.0913	0.001156	865125403.57
1181618110	Capacitor	CE8	Bellcore Issue 6	Level I		0.004562	1.00	.3604	0.004562	219195994.91
1211100600	Inductor	L2,L3	Bellcore Issue 6	Level I		0.002281	2.00	.3604	0.004562	438391989.82
1652003101	Connection	POWERIN	Bellcore Issue 6	Level I		0.001156	1.00	.0913	0.001156	865125403.57
1119622112	Capacitor	CE2,CE5	Bellcore Issue 6	Level I		0.043346	2.00	6.8482	0.086693	23070010.76
1189647010	Capacitor	CE3	Bellcore Issue 6	Level I		0.004562	1.00	.3604	0.004562	219195994.91
105A501033	Resistor	R13,R3	Bellcore Issue 6	Level I		0.002281	2.00	.3604	0.004562	438391989.82
105A700003	Resistor	R14,R15,R24,R492	Bellcore Issue 6	Level I		0.002281	4.00	.7208	0.009124	438391989.82
105A701003	Resistor	R21	Bellcore Issue 6	Level I		0.002281	1.00	.1802	0.002281	438391989.82
105A701053	Resistor	R1,R20,R9	Bellcore Issue 6	Level I		0.002281	3.00	.5406	0.006843	438391989.82
1059700101	Resistor	R8	Bellcore Issue 6	Level I		0.002281	1.00	.1802	0.002281	438391989.82
105A510033	Resistor	R12,R19	Bellcore Issue 6	Level I		0.002281	2.00	.3604	0.004562	438391989.82
105A704733	Resistor	R2	Bellcore Issue 6	Level I		0.002281	1.00	.1802	0.002281	438391989.82
1121733780	Capacitor	C26	Bellcore Issue 6	Level I		0.004562	1.00	.3604	0.004562	219195994.91
1122722780	Capacitor	C5	Bellcore Issue 6	Level I		0.004562	1.00	.3604	0.004562	219195994.91
1124501780	Capacitor	C18	Bellcore Issue 6	Level I		0.004562	1.00	.3604	0.004562	219195994.91
1124510280	Capacitor	C16,C17,C2,C22,C24	Bellcore Issue 6	Level I		0.004562	5.00	1.8019	0.022811	219195994.91
1124515281	Capacitor	C20	Bellcore Issue 6	Level I		0.004562	1.00	.3604	0.004562	219195994.91
1124518180	Capacitor	C15,C23	Bellcore Issue 6	Level I		0.004562	2.00	.7208	0.009124	219195994.91
1124522180	Capacitor	C3	Bellcore Issue 6	Level I		0.004562	1.00	.3604	0.004562	219195994.91
1129747650	Capacitor	C6	Bellcore Issue 6	Level I		0.004562	1.00	.3604	0.004562	219195994.91
1315441010	Capacitor	Q3,Q4,Q8	Bellcore Issue 6	Level I		0.004562	3.00	1.0811	0.013686	219195994.91
1315441010	Capacitor	Q7	Bellcore Issue 6	Level I	13.20	0.005842	1.00	.4614	0.005842	171188847.68
1124410180	Capacitor	C19,C21,C4	Bellcore Issue 6	Level I		0.004562	3.00	1.0811	0.013686	219195994.91

AAEON Reliability Prediction Report

Part Number 969783100X
Reference Des
Date 07. 25, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.30



Description
File Name TF-AEC-6520-A1-1110.RPJ
Time 3:02 下午
Failure Rate 11.214000
MTBF 89,174

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1656304022	Connection	CN9	Bellcore Issue 6	Level I		0.002312	1.00	.0206	0.002312	432562701.78
1059700001	Resistor	R474	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
118961018A	Capacitor	C155	Bellcore Issue 6	Level I		0.004562	1.00	.0407	0.004562	219195994.91
1111610194	Capacitor	EC3,EC4	Bellcore Issue 6	Level I		0.013056	2.00	.2328	0.026111	76595133.14
1653003101	Connection	JP2	Bellcore Issue 6	Level I		0.001734	1.00	.0155	0.001734	576750269.05
1653003101	Connection	JP1	Bellcore Issue 6	Level I		0.001734	1.00	.0155	0.001734	576750269.05
1653002202	Connection	JP5	Bellcore Issue 6	Level I		0.002312	2.00	.0412	0.004624	432562701.78
175011901E	Miscellaneous	BAT1	Bellcore Issue 6	Level I		0.900000	1.00	8.0257	0.900000	1111111.11
1653022201	Connection	CN3	Bellcore Issue 6	Level I		0.025430	1.00	.2268	0.025430	39323881.98
1653013203	Connection	CN7	Bellcore Issue 6	Level I		0.015027	1.00	.1340	0.015027	66548107.97
1653007201	Connection	CN12	Bellcore Issue 6	Level I		0.008091	1.00	.0722	0.008091	123589343.37
1653006101	Connection	CN15	Bellcore Issue 6	Level I		0.003468	1.00	.0309	0.003468	288375134.52
1654606306	Connection	CN17	Bellcore Issue 6	Level I		0.003468	1.00	.0309	0.003468	288375134.52
1654409103	Connection	CN18	Bellcore Issue 6	Level I		0.005202	1.00	.0464	0.005202	192250089.68
1653900034	Connection	CFD1	Bellcore Issue 6	Level I		0.001156	1.00	.0103	0.001156	865125403.57
1655003023	Connection	CN16	Bellcore Issue 6	Level I		0.001734	1.00	.0155	0.001734	576750269.05
1654415305	Connection	CN19	Bellcore Issue 6	Level I		0.008669	1.00	.0773	0.008669	115350053.81
1655306020	Connection	CN14	Bellcore Issue 6	Level I		0.003468	1.00	.0309	0.003468	288375134.52
1652512206	Connection	CN13	Bellcore Issue 6	Level I		0.006935	1.00	.0618	0.006935	144187567.26
1213112008	Inductor	LP3	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
1301005442	Semiconductor	D14	Bellcore Issue 6	Level I		0.024088	1.00	.2148	0.024088	41515203.19
1212306030	Inductor	FB19,FB2,FB23-FB27,FB29,FB3,F- B30-FB32,FB34,FB36,FB39,FB4,F- B40,FB43,FB5	Bellcore Issue 6	Level I		0.002281	19.00	.3865	0.043340	438391989.82
1212306030	Inductor	FB6,FB7,FB9	Bellcore Issue 6	Level I		0.002281	3.00	.0610	0.006843	438391989.82
1212306035	Inductor	FB10-FB12,FB35,FB37,FB38,FB44- FB8	Bellcore Issue 6	Level I		0.002281	8.00	.1627	0.018249	438391989.82
121230603L	Inductor	FB28,FB45	Bellcore Issue 6	Level I		0.002281	2.00	.0407	0.004562	438391989.82
1213160008	Inductor	LP1,LP2,LP4,LP5	Bellcore Issue 6	Level I		0.002281	4.00	.0814	0.009124	438391989.82
14S4621800	Integrated Circuit	U47	Bellcore Issue 6	Level I		0.060682	1.00	.5411	0.060682	16479361.92
1211100102	Inductor	L7	Bellcore Issue 6	Level I		0.086680	1.00	.7730	0.086680	11536631.31
1211100160	Inductor	L8,L9	Bellcore Issue 6	Level I		0.086680	2.00	1.5459	0.173361	11536631.31

AAEON Reliability Prediction Report

Part Number 969783100X
Reference Des
Date 07. 25, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.30



Description
File Name TF-AEC-6520-A1-1110.RPJ
Time 3:02 下午
Failure Rate 11.214000
MTBF 89,174

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A703309	Resistor	R145-R147,R149,R153,R154,R169-,R205,R206,R221,R226,R349,R350-,R436,R55	Bellcore Issue 6	Level I		0.002281	15.00	.3051	0.034216	438391989.82
105A703309	Resistor	R71,R88	Bellcore Issue 6	Level I		0.002281	2.00	.0407	0.004562	438391989.82
105A568163	Resistor	R61	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
105A506823	Resistor	R463,R75,R77	Bellcore Issue 6	Level I		0.002281	3.00	.0610	0.006843	438391989.82
105A701003	Resistor	R180,R212,R292,R360,R452	Bellcore Issue 6	Level I		0.002281	5.00	.1017	0.011405	438391989.82
105A705133	Resistor	R434,R87	Bellcore Issue 6	Level I		0.002281	2.00	.0407	0.004562	438391989.82
105A502423	Resistor	R134,R290	Bellcore Issue 6	Level I		0.002281	2.00	.0407	0.004562	438391989.82
105A702229	Resistor	R136,R183,R184,R370,R375,R376-,R387-R390,R401,R408,R411,R425-,R426,R440	Bellcore Issue 6	Level I		0.002281	16.00	.3255	0.036497	438391989.82
1121701080	Capacitor	C111-C116,C122,C138,C139,C150-,C151,C154,C183,C193,C216,C256-,C272,C294	Bellcore Issue 6	Level I		0.000793	18.00	.1273	0.014270	1261385858.88
1121701080	Capacitor	C385,C407,C416,C429,C450,C456-,C467	Bellcore Issue 6	Level I		0.000793	7.00	.0495	0.005549	1261385858.88
1121733780	Capacitor	C470	Bellcore Issue 6	Level I		0.004562	1.00	.0407	0.004562	219195994.91
1129422060	Capacitor	C101,C117,C6,C91	Bellcore Issue 6	Level I		0.000793	4.00	.0283	0.003171	1261385858.88
1129610051	Capacitor	C10,C102,C119,C123,C129-C137,-C140,C141,C144,C159,C161-C164-,C166,C174,C468,C469	Bellcore Issue 6	Level I		0.000793	25.00	.1767	0.019819	1261385858.88
1129610051	Capacitor	C185,C192,C195,C208-C212,C229-,C237,C246,C254,C303,C306,C310-,C314-C317	Bellcore Issue 6	Level I		0.000793	19.00	.1343	0.015063	1261385858.88
1129610051	Capacitor	C324,C325,C333,C334,C340,C341-,C344,C349,C350,C362,C363,C377-,C394,C414	Bellcore Issue 6	Level I		0.000793	14.00	.0990	0.011099	1261385858.88
1129610051	Capacitor	C442,C447,C448,C460,C79,C83	Bellcore Issue 6	Level I		0.000793	6.00	.0424	0.004757	1261385858.88
1121701790	Capacitor	C153,C169,C17,C176,C191,C204-,C205,C214,C228,C238,C31,C339-,C347,C390	Bellcore Issue 6	Level I		0.000793	14.00	.0990	0.011099	1261385858.88
1121701790	Capacitor	C391,C412,C457	Bellcore Issue 6	Level I		0.000793	3.00	.0212	0.002378	1261385858.88
105A500333	Resistor	R456	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
1129710390	Capacitor	C147,C149,C178,C181,C422,C430-,C445,C446	Bellcore Issue 6	Level I		0.000793	8.00	.0566	0.006342	1261385858.88
105A545323	Resistor	R466	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82

AAEON Reliability Prediction Report

Part Number 969783100X
Reference Des
Date 07. 25, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.30



Description
File Name TF-AEC-6520-A1-1110.RPJ
Time 3:02 下午
Failure Rate 11.214000
MTBF 89,174

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1124433190	Capacitor	C267,C386,C417,C418	Bellcore Issue 6	Level I		0.000793	4.00	.0283	0.003171	1261385858.88
1124556180	Capacitor	C464	Bellcore Issue 6	Level I		0.000793	1.00	.0071	0.000793	1261385858.88
1129710090	Capacitor	C127,C152,C168,C275,C405,C415-C64	Bellcore Issue 6	Level I		0.000793	7.00	.0495	0.005549	1261385858.88
1124427090	Capacitor	C106,C239,C247,C374,C403,C404-C409-C411,C413,C421,C435,C436	Bellcore Issue 6	Level I		0.000793	13.00	.0919	0.010306	1261385858.88
1124410190	Capacitor	C108,C110,C121,C126,C360,C398-C399,C423	Bellcore Issue 6	Level I		0.000793	8.00	.0566	0.006342	1261385858.88
1122747880	Capacitor	C160	Bellcore Issue 6	Level I		0.000793	1.00	.0071	0.000793	1261385858.88
1124518280	Capacitor	C461	Bellcore Issue 6	Level I		0.000793	1.00	.0071	0.000793	1261385858.88
105A510033	Resistor	R454	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
1129747650	Capacitor	C352	Bellcore Issue 6	Level I		0.000793	1.00	.0071	0.000793	1261385858.88
1129722091	Capacitor	C357,C358,C439,C441,C444	Bellcore Issue 6	Level I		0.000793	5.00	.0353	0.003964	1261385858.88
1124568280	Capacitor	C383	Bellcore Issue 6	Level I		0.000793	1.00	.0071	0.000793	1261385858.88
1124522880	Capacitor	C384	Bellcore Issue 6	Level I		0.000793	1.00	.0071	0.000793	1261385858.88
105A501223	Resistor	R455	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
1129747090	Capacitor	C425-C427,C432-C434,C437,C438	Bellcore Issue 6	Level I		0.000793	8.00	.0566	0.006342	1261385858.88
1211106870	Inductor	L10	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
1124522280	Capacitor	C462,C471	Bellcore Issue 6	Level I		0.000793	2.00	.0141	0.001586	1261385858.88
1315030110	Semiconductor	Q10,Q11,Q22,Q24,Q3,Q4,Q6,Q7,Q-31	Bellcore Issue 6	Level I		0.080292	9.00	6.4440	0.722627	12454560.96
1310390411	Semiconductor	Q12,Q13,Q20,Q25	Bellcore Issue 6	Level I		0.024088	4.00	.8592	0.096350	41515203.19
1540782282	Resistor	RP45-RP53,RP56-RP60	Bellcore Issue 6	Level I		0.006332	14.00	.7905	0.088650	157923867.87
105A700009	Resistor	R186,R216,R311,R327,R328,R393-R395,R419,R438,R451,R464,R465-R471,R477,R491	Bellcore Issue 6	Level I		0.002281	15.00	.3051	0.034216	438391989.82
105A700009	Resistor	R5,R50,R6,R7,R74	Bellcore Issue 6	Level I		0.002281	5.00	.1017	0.011405	438391989.82
105A540263	Resistor	R245,R410	Bellcore Issue 6	Level I		0.002281	2.00	.0407	0.004562	438391989.82
1121722650	Capacitor	C1	Bellcore Issue 6	Level I		0.000793	1.00	.0071	0.000793	1261385858.88
105A520003	Resistor	R484	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
105A571533	Resistor	R179	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
105A747033	Resistor	R188,R225	Bellcore Issue 6	Level I		0.002281	2.00	.0407	0.004562	438391989.82
105A547523	Resistor	R201	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82

AAEON Reliability Prediction Report

Part Number 969783100X
Reference Des
Date 07. 25, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.30

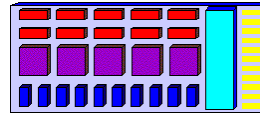


Description
File Name TF-AEC-6520-A1-1110.RPJ
Time 3:02 下午
Failure Rate 11.214000
MTBF 89,174

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A700139	Resistor	R105,R106,R160,R161,R199,R204-,R234,R239,R242,R243,R246,R251-,R274,R278,R481,R483	Bellcore Issue 6	Level I		0.002281	16.00	.3255	0.036497	438391989.82
105A700139	Resistor	R280,R281,R286,R299,R30,R300,-R308,R320,R323-R324,R35,R369,-R371,R379	Bellcore Issue 6	Level I		0.002281	14.00	.2848	0.031935	438391989.82
105A700139	Resistor	R391,R422,R428,R432,R439,R473-,R69	Bellcore Issue 6	Level I		0.002281	7.00	.1424	0.015967	438391989.82
105A702263	Resistor	R165,R168,R210,R31,R335,R336,-R359,R405	Bellcore Issue 6	Level I		0.002281	8.00	.1627	0.018249	438391989.82
105A515009	Resistor	R232,R270,R271,R297,R337,R49	Bellcore Issue 6	Level I		0.002281	6.00	.1220	0.013686	438391989.82
105A703363	Resistor	R458,R459	Bellcore Issue 6	Level I		0.002281	2.00	.0407	0.004562	438391989.82
105A701039	Resistor	R175,R177,R189,R198,R214,R215-,R219,R223,R224,R230,R233,R238-,R275,R276	Bellcore Issue 6	Level I		0.002281	14.00	.2848	0.031935	438391989.82
105A701039	Resistor	R315,R318,R319,R382,R406,R420-,R448,R453,R472,R54,R62	Bellcore Issue 6	Level I		0.002281	11.00	.2238	0.025092	438391989.82
105A522663	Resistor	R59	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
105A503033	Resistor	R158,R76	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
105A561903	Resistor	R385	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
105A501039	Resistor	R13,R14,R197,R227,R256,R356,R-392,R415,R416,R460,R89-R94	Bellcore Issue 6	Level I		0.002281	16.00	.3255	0.036497	438391989.82
105A500133	Resistor	R137,R138,R156,R166,R362,R8	Bellcore Issue 6	Level I		0.002281	6.00	.1220	0.013686	438391989.82
14S3033800	Integrated Circuit	U28	Bellcore Issue 6	Level I		0.060682	1.00	.5411	0.060682	16479361.92
14S5A00700	Integrated Circuit	U32	Bellcore Issue 6	Level I		0.038562	1.00	.3439	0.038562	25931952.59
1315970110	Semiconductor	U2,U44,U46,U5	Bellcore Issue 6	Level I		0.160584	4.00	5.7280	0.642335	6227280.48
14S3260100	Integrated Circuit	U6	Bellcore Issue 6	Level I	27.90	0.390867	1.00	3.4855	0.390867	2558415.64
105A560463	Resistor	R143,R144	Bellcore Issue 6	Level I		0.002281	2.00	.0407	0.004562	438391989.82
105A507509	Resistor	R150-R152,R364,R381,R430,R431	Bellcore Issue 6	Level I		0.002281	7.00	.1424	0.015967	438391989.82
105A554963	Resistor	R178,R207,R266	Bellcore Issue 6	Level I		0.002281	3.00	.0610	0.006843	438391989.82
105A756033	Resistor	R181,R217	Bellcore Issue 6	Level I		0.002281	2.00	.0407	0.004562	438391989.82
105A527463	Resistor	R191,R222,R298,R329,R396,R447	Bellcore Issue 6	Level I		0.002281	6.00	.1220	0.013686	438391989.82
105A710053	Resistor	R193,R194,R273	Bellcore Issue 6	Level I		0.013686	3.00	.3661	0.041059	73065331.64
105A518223	Resistor	R202	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
105A507523	Resistor	R209	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82

AAEON Reliability Prediction Report

Part Number 969783100X
Reference Des
Date 07. 25, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.30



Description
File Name TF-AEC-6520-A1-1110.RPJ
Time 3:02 下午
Failure Rate 11.214000
MTBF 89,174

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A701053	Resistor	R211	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
106B501031	Resistor	R218,R352	Bellcore Issue 6	Level I		0.011559	2.00	.2062	0.023118	86512540.36
105A502033	Resistor	R208,R236	Bellcore Issue 6	Level I		0.002281	2.00	.0407	0.004562	438391989.82
105A530003	Resistor	R241	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
105A524303	Resistor	R142	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
105A549963	Resistor	R140	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
105A700103	Resistor	R338,R353,R354,R355,R365,R367-R368,R372,R486	Bellcore Issue 6	Level I		0.002281	9.00	.1831	0.020530	438391989.82
105A747003	Resistor	R263	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
105A705139	Resistor	R277	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
11E9610190	Capacitor	C326,C375,C454,C68,TC2,TC3	Bellcore Issue 6	Level I		0.013056	6.00	.6985	0.078334	76595133.14
11E9610190	Capacitor	C198	Bellcore Issue 6	Level I		0.043346	1.00	.3865	0.043346	23070010.76
121110010R	Inductor	L2	Bellcore Issue 6	Level I	20.90	0.127000	1.00	1.1325	0.127000	7874034.96
1211100163	Inductor	R485A	Bellcore Issue 6	Level I		0.086680	1.00	.7730	0.086680	11536631.31
105A551113	Resistor	R291	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
105A530103	Resistor	R313,R334	Bellcore Issue 6	Level I		0.002281	2.00	.0407	0.004562	438391989.82
105A515003	Resistor	R331,R339	Bellcore Issue 6	Level I		0.002281	2.00	.0407	0.004562	438391989.82
150A568123	Resistor	R344,R346	Bellcore Issue 6	Level I		0.002281	2.00	.0407	0.004562	438391989.82
105A512033	Resistor	R347	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
105A514003	Resistor	R363	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
105A512703	Resistor	R374	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
105A512103	Resistor	R383	Bellcore Issue 6	Level I		0.002281	1.00	.0203	0.002281	438391989.82
1315030210	Semiconductor	Q21,Q29,Q30	Bellcore Issue 6	Level I		0.000000	3.00	.0000	0.000000	.00
1189615190	Capacitor	TC1,TC14,TC16,TC5,TC6,TC9	Bellcore Issue 6	Level I		0.004562	6.00	.2441	0.027373	219195994.91
1189633181	Capacitor	TC17,TC4	Bellcore Issue 6	Level I		0.000793	2.00	.0141	0.001586	1261385858.88
1315992601	Semiconductor	U1	Bellcore Issue 6	Level I		0.160584	1.00	1.4320	0.160584	6227280.48
1315992601	Semiconductor	U30	Bellcore Issue 6	Level I		0.160584	1.00	1.4320	0.160584	6227280.48
1315992601	Semiconductor	U41	Bellcore Issue 6	Level I		0.160584	1.00	1.4320	0.160584	6227280.48
14S4280106	Integrated Circuit	U3	Bellcore Issue 6	Level I	26.20	0.164305	1.00	1.4652	0.164305	6086248.56
105A733009	Resistor	R1,R228,R240,R283,R293,R357,R380,R418,R424,R433,R441,R443	Bellcore Issue 6	Level I		0.002281	12.00	.2441	0.027373	438391989.82
14S5A00820	Integrated Circuit	U7	Bellcore Issue 6	Level I		0.060682	1.00	.5411	0.060682	16479361.92

