

AEC-6905

Reliability Prediction Report

(MTBF)

Report NO : 07P070006

7-20-2007

Issue Date

Wenyuan Yang

Manager

Jessica Chou

Test Engineer

Reliability Prediction (MTBF)

I . **Model Name:** AEC-6905

II . **Prediction Date:** July 20, 2007

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: 26.3 degrees 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:

AEC-6905 :

Failure Rate: 24.060105 ppm

MTBF: 41,563 Hours

AAEON Reliability Prediction Report

Part Number AEC-6905
Reference Des
Date 07. 20, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.00



Description Top-level assembly
File Name AEC-6905.RPJ
Time 3:26 PM
Failure Rate 24.060105
MTBF 41,563

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
AEC-6905	AEC-6905	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	24.060105	41,563
ETX-821	969782100U	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	13.368422	74,803
PER-R15P	9697R15P00	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	0.300198	3,331,137
T095	9697T09500	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	10.391485	96,233

AAEON Reliability Prediction Report

Part Number 969782100U
Reference Des
Date 07. 20, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.30



Description
File Name AEC-6905.RPJ
Time 3:26 PM
Failure Rate 13.368422
MTBF 74,803

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
14S6208001	Integrated Circuit	FWH3	Bellcore Issue 6	Level I	31.80	2.883282	1.00	21.5679	2.883282	346827.00
1540747285	Resistor	RP57~71, RP74~77	Bellcore Issue 6	Level I		0.006627	19.00	.9418	0.125909	150902679.92
105A512703	Resistor	R88	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A560463	Resistor	R116,R119	Bellcore Issue 6	Level I		0.002326	2.00	.0348	0.004652	429930220.32
105A515003	Resistor	R92,R96	Bellcore Issue 6	Level I		0.002326	2.00	.0348	0.004652	429930220.32
105A501523	Resistor	R94	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A708229	Resistor	R103,R173-R175,R177,R180,R182- ,R194,R196,R201,R202,R360,R361, R310, R499, R500, R504, R506	Bellcore Issue 6	Level I		0.002326	22.00	.3828	0.051171	429930220.32
105A708229	Resistor	R368,R411,R412,R451,R452	Bellcore Issue 6	Level I		0.002326	5.00	.0870	0.011630	429930220.32
105A540263	Resistor	R107	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A702229	Resistor	R110,R111,R114,R115,R120,R121- ,R199,R249,R267,R270	Bellcore Issue 6	Level I		0.002326	10.00	.1740	0.023260	429930220.32
16515A0998	Connection	CN1	Bellcore Issue 6	Level I		0.121757	1.00	.9108	0.121757	8213092.23
1211103360	Inductor	L10	Bellcore Issue 6	Level I		0.088386	1.00	.6612	0.088386	11313953.17
1211103360	Inductor	L9	Bellcore Issue 6	Level I		0.088386	1.00	.6612	0.088386	11313953.17
1315700212	Semiconductor	Q14,Q15,Q18,Q19,Q21-Q22, Q26	Bellcore Issue 6	Level I		0.165240	7.00	8.6524	1.156683	6051786.89
1540756081	Resistor	RP11,RP16,RP17,RP19,RP2,RP21- ,RP22,RP24,RP26-RP28,RP3,RP31- ,RP32,RP34	Bellcore Issue 6	Level I		0.006627	15.00	.7436	0.099402	150902679.92
1540756081	Resistor	RP35,RP37,RP39,RP42,RP44,RP5- ,RP6,RP8	Bellcore Issue 6	Level I		0.006627	8.00	.3966	0.053014	150902679.92
14S3156500	Integrated Circuit	U25,U28	Bellcore Issue 6	Level I		0.065262	2.00	.9764	0.130524	15322833.43
14S2705700	Integrated Circuit	U31	Bellcore Issue 6	Level I		0.065262	1.00	.4882	0.065262	15322833.43
14S5A01400	Integrated Circuit	U43, U44	Bellcore Issue 6	Level I		0.069187	2.00	1.0351	0.138373	14453668.15
14S5A12505	Integrated Circuit	U45	Bellcore Issue 6	Level I		0.068896	1.00	.5154	0.068896	14514641.30
14S5A00820	Integrated Circuit	U38	Bellcore Issue 6	Level I		0.065262	1.00	.4882	0.065262	15322833.43
14S2533100	Integrated Circuit	U41	Bellcore Issue 6	Level I		0.065262	1.00	.4882	0.065262	15322833.43
1301002240	Semiconductor	D17, D18	Bellcore Issue 6	Level I		0.024786	2.00	.3708	0.049572	40345245.92
1231325058	Miscellaneous	Y3	Bellcore Issue 6	Level I		0.150000	1.00	1.1220	0.150000	6666666.67
105A551113	Resistor	R365	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A518223	Resistor	R375	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A571533	Resistor	R384	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32

AAEON Reliability Prediction Report

Part Number 969782100U
Reference Des
Date 07. 20, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.30



Description
File Name AEC-6905.RPJ
Time 3:26 PM
Failure Rate 13.368422
MTBF 74,803

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1121701080	Capacitor	C213,C216,C251,C252,C258,C264-,C265,C270,C302,C370,C379,C382-,C392	Bellcore Issue 6	Level I		0.000808	13.00	.0786	0.010509	1237038798.16
1121701080	Capacitor	C394,C406, C409,C70,C72, C328, C329, C339, C424, C425, C427, C429	Bellcore Issue 6	Level I		0.000808	12.00	.0726	0.009701	1237038798.16
1129747650	Capacitor	C122,C315	Bellcore Issue 6	Level I		0.000808	2.00	.0121	0.001617	1237038798.16
1124427090	Capacitor	C228,C229,C284,C291, C44. C46	Bellcore Issue 6	Level I		0.000808	6.00	.0363	0.004850	1237038798.16
1124410190	Capacitor	C249,C250	Bellcore Issue 6	Level I		0.000808	2.00	.0121	0.001617	1237038798.16
1124518280	Capacitor	C319	Bellcore Issue 6	Level I		0.000808	1.00	.0060	0.000808	1237038798.16
1124556180	Capacitor	C322	Bellcore Issue 6	Level I		0.000808	1.00	.0060	0.000808	1237038798.16
1301005443	Semiconductor	D1,D2,D9	Bellcore Issue 6	Level I		0.024786	3.00	.5562	0.074358	40345245.92
1314111711	Semiconductor	Q25	Bellcore Issue 6	Level I		0.165240	1.00	1.2361	0.165240	6051786.89
1301005442	Semiconductor	D4	Bellcore Issue 6	Level I		0.024786	1.00	.1854	0.024786	40345245.92
1212306030	Inductor	FB1,FB11,FB14-FB18,FB2-FB4,FB7-,FB8	Bellcore Issue 6	Level I		0.002326	12.00	.2088	0.027912	429930220.32
1211106870	Inductor	L3	Bellcore Issue 6	Level I		0.088386	1.00	.6612	0.088386	11313953.17
1211100102	Inductor	L4	Bellcore Issue 6	Level I		0.088386	1.00	.6612	0.088386	11313953.17
1211103366	Inductor	L6	Bellcore Issue 6	Level I		0.088386	1.00	.6612	0.088386	11313953.17
1211103366	Inductor	L8	Bellcore Issue 6	Level I	34.50	0.161197	1.00	1.2058	0.161197	6203576.08
1315030110	Semiconductor	Q10,Q11,Q3-Q6	Bellcore Issue 6	Level I		0.000000	6.00	.0000	0.000000	.00
1310390411	Semiconductor	Q7-Q9	Bellcore Issue 6	Level I		0.024786	3.00	.5562	0.074358	40345245.92
1540710084	Resistor	RP1,RP10,RP12-RP15,RP18,RP20-,RP23,RP25,RP29,RP30,RP33,RP-36,RP38,RP4	Bellcore Issue 6	Level I		0.006627	16.00	.7931	0.106029	150902679.92
1540710084	Resistor	RP40,RP41,RP43,RP7,RP9	Bellcore Issue 6	Level I		0.006627	5.00	.2479	0.033134	150902679.92
14S4070610	Integrated Circuit	U21	Bellcore Issue 6	Level I	30.40	0.482889	1.00	3.6122	0.482889	2070868.85
14S5A00700	Integrated Circuit	U22	Bellcore Issue 6	Level I		0.042402	1.00	.3172	0.042402	23583531.66
1315441012	Semiconductor	U30,U32	Bellcore Issue 6	Level I		0.082620	2.00	1.2361	0.165240	12103573.77
1315992601	Semiconductor	U33	Bellcore Issue 6	Level I		0.165240	1.00	1.2361	0.165240	6051786.89
1315992601	Semiconductor	U35	Bellcore Issue 6	Level I		0.165240	1.00	1.2361	0.165240	6051786.89
14S4148500	Integrated Circuit	U34	Bellcore Issue 6	Level I		0.065262	1.00	.4882	0.065262	15322833.43
14S3033800	Integrated Circuit	U39	Bellcore Issue 6	Level I		0.065262	1.00	.4882	0.065262	15322833.43
123131435B	Miscellaneous	Y1	Bellcore Issue 6	Level I		0.150000	1.00	1.1220	0.150000	6666666.67

AAEON Reliability Prediction Report

Part Number 969782100U
Reference Des
Date 07. 20, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.30

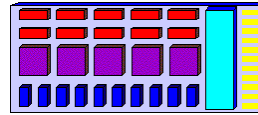


Description
File Name AEC-6905.RPJ
Time 3:26 PM
Failure Rate 13.368422
MTBF 74,803

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1231332721	Miscellaneous	Y2	Bellcore Issue 6	Level I		0.150000	1.00	1.1220	0.150000	6666666.67
1231324555	Miscellaneous	Y4	Bellcore Issue 6	Level I		0.150000	1.00	1.1220	0.150000	6666666.67
1129722060	Capacitor	C172,C173,C242,C344,	Bellcore Issue 6	Level I		0.000808	4.00	.0242	0.003234	1237038798.16
1129710090	Capacitor	C191,C192,C230,C231,C331, C393, C413	Bellcore Issue 6	Level I		0.000808	7.00	.0423	0.005659	1237038798.16
118961018A	Capacitor	C87, TC18-21	Bellcore Issue 6	Level I		0.004652	5.00	.1740	0.023260	214965110.16
1129722091	Capacitor	C234,C235,C262,C266,C267	Bellcore Issue 6	Level I		0.000808	5.00	.0302	0.004042	1237038798.16
121110010R	Inductor	L5	Bellcore Issue 6	Level I	29.40	0.003912	1.00	.0293	0.003912	255595760.84
1129710390	Capacitor	C255,C256,C261,C263,C389,C391	Bellcore Issue 6	Level I		0.000808	6.00	.0363	0.004850	1237038798.16
1124522290	Capacitor	C318	Bellcore Issue 6	Level I		0.004652	1.00	.0348	0.004652	214965110.16
11E9610190	Capacitor	TC17	Bellcore Issue 6	Level I		0.045659	1.00	.3415	0.045659	21901579.27
1124433190	Capacitor	C365	Bellcore Issue 6	Level I		0.000808	1.00	.0060	0.000808	1237038798.16
1121722650	Capacitor	C412	Bellcore Issue 6	Level I		0.000808	1.00	.0060	0.000808	1237038798.16
1121747890	Capacitor	C189	Bellcore Issue 6	Level I		0.004652	1.00	.0348	0.004652	214965110.16
1301003440	Semiconductor	D3	Bellcore Issue 6	Level I		0.024786	1.00	.1854	0.024786	40345245.92
1301053040	Semiconductor	D10-D13	Bellcore Issue 6	Level I		0.024786	4.00	.7416	0.099144	40345245.92
1653150221	Connection	ETX1-ETX4	Bellcore Issue 6	Level I		0.060878	4.00	1.8216	0.243514	16426184.45
1212306035	Inductor	FB10,FB9	Bellcore Issue 6	Level I		0.002326	2.00	.0348	0.004652	429930220.32
1211100160	Inductor	L1,L2	Bellcore Issue 6	Level I		0.088386	2.00	1.3223	0.176773	11313953.17
105A554923	Resistor	R294	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A506823	Resistor	R295,R318,R320	Bellcore Issue 6	Level I		0.002326	3.00	.0522	0.006978	429930220.32
105A545323	Resistor	R296	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A507533	Resistor	R299	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A535713	Resistor	R302	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
1050522004	Resistor	R510	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A500139	Resistor	R2,R339,R369,R370, R473,R485,R503,R507,R,509,R89--90	Bellcore Issue 6	Level I		0.002326	33.00	.5742	0.076757	429930220.32
105A705139	Resistor	R331, R480, R481	Bellcore Issue 6	Level I		0.002326	3.00	.0522	0.006978	429930220.32
105A568123	Resistor	R348,R351	Bellcore Issue 6	Level I		0.002326	2.00	.0348	0.004652	429930220.32
105A517423	Resistor	R350	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32

AAEON Reliability Prediction Report

Part Number 969782100U
Reference Des
Date 07. 20, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.30



Description
File Name AEC-6905.RPJ
Time 3:26 PM
Failure Rate 13.368422
MTBF 74,803

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A702263	Resistor	R363,R364,R376,R379,R385,R389,R419, R420	Bellcore Issue 6	Level I		0.002326	8.00	.1392	0.018608	429930220.32
105A547523	Resistor	R377	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A701053	Resistor	R380	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
1129610051	Capacitor	C1,C10,C101,C109,C11,C116,C12-C126,C127,C129,C13,C132,C133,-C14-C19,C196	Bellcore Issue 6	Level I		0.000808	20.00	.1209	0.016168	1237038798.16
1129610051	Capacitor	C20,C201,C21,C210,C217,C22,C23-C233,C24,C243,C247,C259,C280--C283,C288	Bellcore Issue 6	Level I		0.000808	17.00	.1028	0.013742	1237038798.16
1129610051	Capacitor	C290,C294,C297,C3,C300,C303,C312,C33,C350,C351,C357,C358,C363,C367	Bellcore Issue 6	Level I		0.000808	14.00	.0847	0.011317	1237038798.16
1129610051	Capacitor	C373,C378,C381,C386,C39,C396,-C398,C402,C5,C7,C85,C86,C9,C93,C419, C420, C426	Bellcore Issue 6	Level I		0.000808	14.00	.0847	0.011317	1237038798.16
1129610051	Capacitor	C419, C420, C426	Bellcore Issue 6	Level I		0.000808	3.00	.0181	0.002425	1237038798.16
1121701790	Capacitor	C120,C124,C184,C186,C2,C221,C240,C4,C404,C405,C6,C64,C66,C8,C306	Bellcore Issue 6	Level I		0.000808	15.00	.0907	0.012126	1237038798.16
1129701690	Capacitor	C100-C108,C110-C115,C117-C119-C121,C123,C125,C128,C130,C131-C134-C171	Bellcore Issue 6	Level I		0.000808	61.00	.3689	0.049311	1237038798.16
1129701690	Capacitor	C174-C183,C185,C197-C200,C202-C209,C211,C212,C214,C215,C218-C220	Bellcore Issue 6	Level I		0.000808	30.00	.1814	0.024251	1237038798.16
1129701690	Capacitor	C225,C227,C232,C236-C239,C241-C248,C25,C26,C260,C27,C275~279,C28	Bellcore Issue 6	Level I		0.000808	24.00	.1451	0.019401	1237038798.16
1129701690	Capacitor	C285-C289,C29,C292,C293,C295,-C296,C298,C299,C30,C304,C307,-C31,C313,C314	Bellcore Issue 6	Level I		0.000808	17.00	.1028	0.013742	1237038798.16
1129701690	Capacitor	C32,C324,C327, C328,C330,C333-336,C338,C34,C340-C342,C345-C347,-C35,C36,C362,C364	Bellcore Issue 6	Level I		0.000808	22.00	.1330	0.017784	1237038798.16
1129701690	Capacitor	C368,C369,C37,C371,C372,C374,-C375,C377,C38,C380,C384,C385,-C387,C388, C415-418, C428, C430	Bellcore Issue 6	Level I		0.000808	14.00	.0847	0.011317	1237038798.16
1129701690	Capacitor	C390,C395,C397,C399,C40,C401,-C403,C41,C410,C42,C43,C65,C67-C69,C71,C73	Bellcore Issue 6	Level I		0.000808	17.00	.1028	0.013742	1237038798.16

AAEON Reliability Prediction Report

Part Number 969782100U
Reference Des
Date 07. 20, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.30

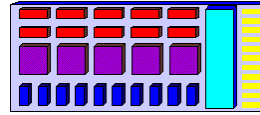


Description
File Name AEC-6905.RPJ
Time 3:26 PM
Failure Rate 13.368422
MTBF 74,803

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1129701690	Capacitor	C74,C75,C77-C84,C88-C92,C94-C-99	Bellcore Issue 6	Level I		0.000808	21.00	.1270	0.016976	1237038798.16
14S47009B0	Integrated Circuit	U13	Bellcore Issue 6	Level I	28.80	0.245757	1.00	1.8383	0.245757	4069067.28
14S4060002	Integrated Circuit	U1	Bellcore Issue 6	Level I	35.90	0.418787	1.00	3.1327	0.418787	2387850.02
1315889611	Semiconductor	U14	Bellcore Issue 6	Level I	37.50	0.213512	1.00	1.5971	0.213512	4683566.88
1315889611	Semiconductor	U15, U17, U18, U36, U37	Bellcore Issue 6	Level I		0.082620	5.00	3.0901	0.413101	12103573.77
14S2200900	Semiconductor	U12	Bellcore Issue 6	Level I		0.046519	1.00	.3480	0.046519	21496511.02
14S5900600	Integrated Circuit	U20	Bellcore Issue 6	Level I		0.074704	1.00	.5588	0.074704	13386113.63
14S4081110	Integrated Circuit	U46	Bellcore Issue 6	Level I		0.065262	1.00	.4882	0.065262	15322833.43
1540782282	Resistor	RP45-RP50,RP53,RP55-56,RP80,RP81	Bellcore Issue 6	Level I		0.006627	13.00	.6444	0.086148	150902679.92
1540710280	Resistor	RP78,RP79	Bellcore Issue 6	Level I		0.006627	2.00	.0991	0.013254	150902679.92
105A700139	Resistor	R100,R101,R108,R205,R208,R219-R220,R242,R251,R312,R329,R337-R338,R340	Bellcore Issue 6	Level I		0.002326	14.00	.2436	0.032563	429930220.32
105A700139	Resistor	R341,R393,R4,R40,R429,R430,R4-45,R51,R53,R60,R61,R99	Bellcore Issue 6	Level I		0.002326	12.00	.2088	0.027912	429930220.32
105A530003	Resistor	R8	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A515009	Resistor	R10,R186,R189,R84,R85	Bellcore Issue 6	Level I		0.002326	5.00	.0870	0.011630	429930220.32
105A706209	Resistor	R176	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A578703	Resistor	R21	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A549969	Resistor	R30-R35,R76-R79	Bellcore Issue 6	Level I		0.002326	9.00	.1566	0.020934	429930220.32
105A501223	Resistor	R284	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A520033	Resistor	R286	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A701009	Resistor	R131,R132,R137,R138,R141-R144-R147,R148,R151,R152,R155,R156-R160,R162	Bellcore Issue 6	Level I		0.002326	16.00	.2784	0.037215	429930220.32
105A701009	Resistor	R163,R164,R167,R168,R245,R282	Bellcore Issue 6	Level I		0.002326	6.00	.1044	0.013956	429930220.32
105A568163	Resistor	R179	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A548703	Resistor	R184	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A704729	Resistor	R203,R215,R218,R243,R307,R328-R332, R421, R422, R423, R475, R477, R479, R517	Bellcore Issue 6	Level I		0.002326	14.00	.2436	0.032563	429930220.32
105A522663	Resistor	R212	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A507523	Resistor	R387	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32

AAEON Reliability Prediction Report

Part Number 969782100U
Reference Des
Date 07. 20, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.30

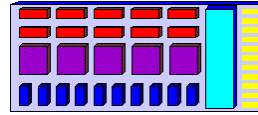


Description
File Name AEC-6905.RPJ
Time 3:26 PM
Failure Rate 13.368422
MTBF 74,803

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A502833	Resistor	R390	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A502033	Resistor	R392,R399	Bellcore Issue 6	Level I		0.002326	2.00	.0348	0.004652	429930220.32
105A501333	Resistor	R396	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A502223	Resistor	R285	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A502233	Resistor	R429	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A512103	Resistor	R348, R436	Bellcore Issue 6	Level I		0.002326	2.00	.0348	0.004652	429930220.32
1189622190	Capacitor	C308~11, TC1, TC16, TC2~6	Bellcore Issue 6	Level I		0.004652	11.00	.3828	0.051171	214965110.16
1189615190	Capacitor	TC10,TC14,TC7-TC9	Bellcore Issue 6	Level I		0.000808	6.00	.0363	0.004850	1237038798.16
1189615190	Capacitor	TC15	Bellcore Issue 6	Level I		0.004652	1.00	.0348	0.004652	214965110.16
14S4060000	Integrated Circuit	U1	Bellcore Issue 6	Level I		0.042402	1.00	.3172	0.042402	23583531.66
14S4285201	Integrated Circuit	U3	Bellcore Issue 6	Level I	28.30	0.191322	1.00	1.4311	0.191322	5226799.43
14S4280106	Integrated Circuit	U4	Bellcore Issue 6	Level I	32.30	0.231871	1.00	1.7345	0.231871	4312748.80
14S4256200	Inductor	U9	Bellcore Issue 6	Level I	32.00	0.244704	1.00	1.8305	0.244704	4086569.52
14S3065500	Integrated Circuit	U11	Bellcore Issue 6	Level I	38.20	0.305330	1.00	2.2840	0.305330	3275145.81
14S4621800	Integrated Circuit	U16	Bellcore Issue 6	Level I		0.065262	1.00	.4882	0.065262	15322833.43
14S4888801	Integrated Circuit	U42	Bellcore Issue 6	Level I	35.20	0.265780	1.00	1.9881	0.265780	3762516.39
14S4871203	Integrated Circuit	U19	Bellcore Issue 6	Level I	32.50	0.234082	1.00	1.7510	0.234082	4272016.29
1540722085	Resistor	RP52,RP54	Bellcore Issue 6	Level I		0.006627	2.00	.0991	0.013254	150902679.92
105A500239	Resistor	R3	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A500233	Resistor	R397,R398	Bellcore Issue 6	Level I		0.002326	2.00	.0348	0.004652	429930220.32
105A705609	Resistor	R133-R136,R139,R140,R145,R146- R149,R150,R153,R154,R157-R159- R16,R161	Bellcore Issue 6	Level I		0.002326	17.00	.2958	0.039541	429930220.32
105A705609	Resistor	R165,R166,R169,R170,R18,R20,R9	Bellcore Issue 6	Level I		0.002326	7.00	.1218	0.016282	429930220.32
105A527463	Resistor	R11,R15,R405,R75,R86,R87	Bellcore Issue 6	Level I		0.002326	6.00	.1044	0.013956	429930220.32
105A700003	Resistor	R22,R24-R26,R29,R372,R391, R446, FB19, FB5, FB6, FB487	Bellcore Issue 6	Level I		0.002326	12.00	.2088	0.027912	429930220.32
105A510513	Resistor	R300	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
106B501031	Resistor	R326,R327	Bellcore Issue 6	Level I		0.012176	2.00	.1822	0.024351	82130922.26
105A512033	Resistor	R345	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A701003	Resistor	R362,R371,R373	Bellcore Issue 6	Level I		0.002326	3.00	.0522	0.006978	429930220.32
105A733009	Resistor	R221,R222,R244,R277-R279,	Bellcore Issue 6	Level I		0.002326	6.00	.1044	0.013956	429930220.32

AAEON Reliability Prediction Report

Part Number 969782100U
Reference Des
Date 07. 20, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.30



Description
File Name AEC-6905.RPJ
Time 3:26 PM
Failure Rate 13.368422
MTBF 74,803

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A561903	Resistor	R246	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
1074502570	Resistor	L6	Bellcore Issue 6	Level II		0.000775	1.00	.0058	0.000775	1289790660.95
1121415090	Capacitor	C423	Bellcore Issue 6	Level I		0.004652	1.00	.0348	0.004652	214965110.16
105A554903	Resistor	R247	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A507509	Resistor	R268,R269,	Bellcore Issue 6	Level I		0.002326	2.00	.0348	0.004652	429930220.32
105A514003	Resistor	R272	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
14S3260100	Integrated Circuit	U2	Bellcore Issue 6	Level I	40.30	0.335977	1.00	2.5132	0.335977	2976395.12
14S6334610	Integrated Circuit	U10	Bellcore Issue 6	Level I		0.033637	1.00	.2516	0.033637	29729218.72
105A502423	Resistor	R274,R367	Bellcore Issue 6	Level I		0.002326	2.00	.0348	0.004652	429930220.32
105A560403	Resistor	R102,R91	Bellcore Issue 6	Level I		0.002326	2.00	.0348	0.004652	429930220.32
105A710039	Resistor	R117,R214,R259,R260,R283,R431- R442,R443,R95,R97,R98	Bellcore Issue 6	Level I		0.002326	11.00	.1914	0.025586	429930220.32
105A700009	Resistor	R209,R211,R239-R241,R287,R288- R308,R313,R366,R382,R386,R444- R448,R457,R231~234, R462, R463, R465, R467, R468, R471, R482,R493,R513,R524,R526, R527, R529~532	Bellcore Issue 6	Level I		0.002326	35.00	.6090	0.081409	429930220.32
105A700103	Resistor	R122-R124,R126-R130	Bellcore Issue 6	Level I		0.002326	8.00	.1392	0.018608	429930220.32
105A501033	Resistor	R171,R172,R292,R528	Bellcore Issue 6	Level I		0.002326	4.00	.0696	0.009304	429930220.32
105A701039	Resistor	R181,R183,R195,R198,R200,R248- R253-R256,R290,R301,R311,R314- R330,R378	Bellcore Issue 6	Level I		0.002326	16.00	.2784	0.037215	429930220.32
105A701039	Resistor	R388,R400,R403,R414	Bellcore Issue 6	Level I		0.002326	4.00	.0696	0.009304	429930220.32
105A513003	Resistor	R188	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A710053	Resistor	R216,R217,R45	Bellcore Issue 6	Level I		0.013956	3.00	.3132	0.041867	71655036.72
105A530103	Resistor	R82,R83	Bellcore Issue 6	Level I		0.002326	2.00	.0348	0.004652	429930220.32
105A503309	Resistor	R36-R39,R41-R44,R46,R48-R50,R- 52,R54,R56,R58,R59,R62-R65, R488,R70,	Bellcore Issue 6	Level I		0.002326	23.00	.4002	0.053497	429930220.32
105A547503	Resistor	R66	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A703309	Resistor	R192,R193,R206,R207,R235,R236- R261,R262, R472, R484	Bellcore Issue 6	Level I		0.002326	10.00	.1740	0.023260	429930220.32
105A524303	Resistor	R71	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32
105A510009	Resistor	R72,R74,R77,R80,R81,R93, R508	Bellcore Issue 6	Level I		0.002326	7.00	.1218	0.016282	429930220.32

AAEON Reliability Prediction Report

Part Number 969782100U
Reference Des
Date 07. 20, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.30

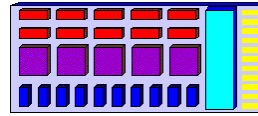


Description
File Name AEC-6905.RPJ
Time 3:26 PM
Failure Rate 13.368422
MTBF 74,803

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A549963	Resistor	R73	Bellcore Issue 6	Level I		0.002326	1.00	.0174	0.002326	429930220.32

AAEON Reliability Prediction Report

Part Number 9697T09500
Reference Des
Date 07. 20, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.30



Description
File Name AEC-6905.RPJ
Time 3:26 PM
Failure Rate 10.391485
MTBF 96,233

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1750220320	Connection	BT1	Bellcore Issue 6	Level I		0.001826	1.00	.0176	0.001826	547539481.73
1759100002	Miscellaneous	BZ1	Bellcore Issue 6			0.050000	1.00	.4812	0.050000	20000000.00
1601123600	Switching Device	S1	Bellcore Issue 6	Level I		0.060878	1.00	.5858	0.060878	16426184.45
1653002100	Connection	JP12	Bellcore Issue 6	Level I		0.001218	1.00	.0117	0.001218	821309222.59
1653002100	Connection	JP2	Bellcore Issue 6	Level I		0.001218	1.00	.0117	0.001218	821309222.59
1653003100	Connection	JP10, JP11, JP15	Bellcore Issue 6	Level I		0.001826	3.00	.0527	0.005479	547539481.73
1653003101	Connection	JP1, JP13, JP14, JP16, JP7~9	Bellcore Issue 6	Level I		0.001826	7.00	.1230	0.012784	547539481.73
1653003201	Connection	JP3, JP6	Bellcore Issue 6	Level I		0.003653	2.00	.0703	0.007305	273769740.86
1653005201	Connection	CN4	Bellcore Issue 6	Level I		0.006088	1.00	.0586	0.006088	164261844.52
1654418100	Connection	COM1/2, COM3/4	Bellcore Issue 6	Level I		0.005479	2.00	.1055	0.010958	182513160.58
1654808300	Connection	RJUSB2	Bellcore Issue 6	Level I		0.004870	1.00	.0469	0.004870	205327305.65
1655003000	Connection	CN1	Bellcore Issue 6	Level I		0.001826	1.00	.0176	0.001826	547539481.73
1655303020	Connection	JP5	Bellcore Issue 6	Level I		0.001826	1.00	.0176	0.001826	547539481.73
1653010202	Connection	CN3	Bellcore Issue 6	Level I		0.012176	1.00	.1172	0.012176	82130922.26
1119622193	Capacitor	C148, C149	Bellcore Issue 6	Level I		0.045659	2.00	.8788	0.091318	21901579.27
1655103010	Connection	SW1	Bellcore Issue 6	Level I		0.001826	1.00	.0176	0.001826	547539481.73
1653900034	Connection	CFD1	Bellcore Issue 6	Level I		0.030439	1.00	.2929	0.030439	32852368.90
1111610194	Capacitor	C127, C27, C28, C30, C31	Bellcore Issue 6	Level I		0.045659	5.00	2.1969	0.228294	21901579.27
1653004302	Connection	JP4	Bellcore Issue 6	Level I		0.007305	1.00	.0703	0.007305	136884870.43
1654606306	Connection	CN7	Bellcore Issue 6	Level I		0.003653	1.00	.0352	0.003653	273769740.86
1654609301	Connection	AUDIO1	Bellcore Issue 6	Level I		0.005479	1.00	.0527	0.005479	182513160.58
1653120229	Connection	CN5-1	Bellcore Issue 6	Level I		0.024351	1.00	.2343	0.024351	41065461.13
1653132228	Connection	CN5-2	Bellcore Issue 6	Level I		0.038962	1.00	.3749	0.038962	25665913.21
1233124052	Miscellaneous	U9	Bellcore Issue 6	Level I		0.360000	1.00	3.4644	0.360000	2777777.78
12311120A1	Miscellaneous	X1	Bellcore Issue 6	Level I		0.150000	1.00	1.4435	0.150000	6666666.67
1304451400	Semiconductor	D8	Bellcore Issue 6	Level I		0.005489	1.00	.0528	0.005489	182172950.47
1652003101	Connection	POWER-IN1	Bellcore Issue 6	Level I		0.001826	1.00	.0176	0.001826	547539481.73
1653130426	Connection	PCI2	Bellcore Issue 6	Level I		0.073054	1.00	.7030	0.073054	13688487.04
1181627191	Capacitor	C29, C41, C46, C70, C71~73	Bellcore Issue 6	Level I		0.004652	7.00	.3134	0.032563	214965110.16
1654260207	Connection	PCI1	Bellcore Issue 6	Level I		0.073054	1.00	.7030	0.073054	13688487.04
1652522203	Connection	RJUSB1	Bellcore Issue 6	Level I		0.013393	1.00	.1289	0.013393	74664474.78

AAEON Reliability Prediction Report

Part Number 9697T09500
Reference Des
Date 07. 20, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.30

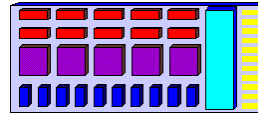


Description
File Name AEC-6905.RPJ
Time 3:26 PM
Failure Rate 10.391485
MTBF 96,233

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1655102010	Connection	SW2	Bellcore Issue 6	Level I		0.001218	1.00	.0117	0.001218	821309222.59
1189618090	Capacitor	C2, C32, C33, C37	Bellcore Issue 6	Level I		0.004652	4.00	.1791	0.018608	214965110.16
1654415309	Connection	CN6A	Bellcore Issue 6	Level I		0.009132	1.00	.0879	0.009132	109507896.35
1653622200	Connection	IDE1	Bellcore Issue 6	Level I		0.026787	1.00	.2578	0.026787	37332237.39
175011901H	Miscellaneous	BT1	Bellcore Issue 6	Level I		0.900000	1.00	8.6609	0.900000	1111111.11
105A501033	Resistor	R107,R145,R161,R163,R167, R20,R252,R267,R63,R69,R75,R91	Bellcore Issue 6	Level I		0.002326	12.00	.2686	0.027912	429930220.32
105A512103	Resistor	R136	Bellcore Issue 6	Level I		0.002326	1.00	.0224	0.002326	429930220.32
105A700003	Resistor	R130,R131,R148,R154,R158,R17,- R178,R189,R194,R195,R197,R198- R204,R205	Bellcore Issue 6	Level I		0.002326	14.00	.3134	0.032563	429930220.32
105A700003	Resistor	R208-R210,R217,R219,R220,R222- R225,R233,R238,R241,R242,R249- R250,R253	Bellcore Issue 6	Level I		0.002326	15.00	.3357	0.034889	429930220.32
105A700003	Resistor	R254,R272,R273,R32,R36,R45,R50- R56,R58,R59,R82,R93	Bellcore Issue 6	Level I		0.002326	12.00	.2686	0.027912	429930220.32
105A701053	Resistor	R144,R211,R212,R70	Bellcore Issue 6	Level I		0.002326	4.00	.0895	0.009304	429930220.32
105A702223	Resistor	R111,R149,R176	Bellcore Issue 6	Level I		0.002326	3.00	.0671	0.006978	429930220.32
105A705623	Resistor	R165,R80,R90	Bellcore Issue 6	Level I		0.002326	3.00	.0671	0.006978	429930220.32
105A747003	Resistor	R77,R89	Bellcore Issue 6	Level I		0.002326	2.00	.0448	0.004652	429930220.32
1059501001	Resistor	R213	Bellcore Issue 6	Level I		0.002326	1.00	.0224	0.002326	429930220.32
1059700001	Resistor	R226,R228,R33	Bellcore Issue 6	Level I		0.002326	3.00	.0671	0.006978	429930220.32
1059700101	Resistor	R157,R168	Bellcore Issue 6	Level I		0.002326	2.00	.0448	0.004652	429930220.32
1059710051	Resistor	R162	Bellcore Issue 6	Level I		0.013956	1.00	.1343	0.013956	71655036.72
105A500133	Resistor	R101,R104,R117,R13,R140,R146,- R147,R203,R232,R234,R29,R51	Bellcore Issue 6	Level I		0.002326	12.00	.2686	0.027912	429930220.32
105A501533	Resistor	R105,R106,R207,R231,R274-R277- R60-R62,R65,R72,R73	Bellcore Issue 6	Level I		0.002326	14.00	.3134	0.032563	429930220.32
105A502033	Resistor	R150,R265	Bellcore Issue 6	Level I		0.002326	2.00	.0448	0.004652	429930220.32
105A503323	Resistor	R202	Bellcore Issue 6	Level I		0.002326	1.00	.0224	0.002326	429930220.32
105A507503	Resistor	R100,R95-R99	Bellcore Issue 6	Level I		0.002326	6.00	.1343	0.013956	429930220.32
105A510033	Resistor	R151,223,R237,R35,R49,R57,R67	Bellcore Issue 6	Level I		0.002326	7.00	.1567	0.016282	429930220.32
105A515003	Resistor	R119,R124,R246	Bellcore Issue 6	Level I		0.002326	3.00	.0671	0.006978	429930220.32
105A533003	Resistor	R1,R112,R113,R120,R37,R42,R52	Bellcore Issue 6	Level I		0.002326	7.00	.1567	0.016282	429930220.32

AAEON Reliability Prediction Report

Part Number 9697T09500
Reference Des
Date 07. 20, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.30

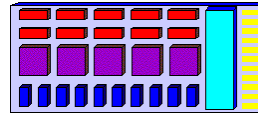


Description
File Name AEC-6905.RPJ
Time 3:26 PM
Failure Rate 10.391485
MTBF 96,233

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A554903	Resistor	R221	Bellcore Issue 6	Level I		0.002326	1.00	.0224	0.002326	429930220.32
105A561903	Resistor	R224	Bellcore Issue 6	Level I		0.002326	1.00	.0224	0.002326	429930220.32
1300001240	Semiconductor	D11	Bellcore Issue 6	Level I		0.024786	1.00	.2385	0.024786	40345245.92
105A705123	Resistor	R68	Bellcore Issue 6	Level I		0.002326	1.00	.0224	0.002326	429930220.32
105A747033	Resistor	R138,R139,R21,R22	Bellcore Issue 6	Level I		0.002326	4.00	.0895	0.009304	429930220.32
105A751033	Resistor	R66	Bellcore Issue 6	Level I		0.002326	1.00	.0224	0.002326	429930220.32
105A756033	Resistor	R141,R142,R24,R25	Bellcore Issue 6	Level I		0.002326	4.00	.0895	0.009304	429930220.32
105A501003	Resistor	R71	Bellcore Issue 6	Level I		0.002326	1.00	.0224	0.002326	429930220.32
105A504723	Resistor	R175,R14,R143,R16,R175,R174,R-192,R201,R23,R38,R46,R47,R79,R-81,R85,R88	Bellcore Issue 6	Level I		0.002326	16.00	.3581	0.037215	429930220.32
1212306031	Inductor	L11,L13-L17,L23,L24,L26,L28,L46,-L47	Bellcore Issue 6	Level I		0.002326	12.00	.2686	0.027912	429930220.32
1112610190	Capacitor	C102	Bellcore Issue 6	Level I		0.045659	1.00	.4394	0.045659	21901579.27
1121701050	Capacitor	C220	Bellcore Issue 6	Level I		0.004652	1.00	.0448	0.004652	214965110.16
1121733780	Capacitor	C217,C311,C313	Bellcore Issue 6	Level I		0.004652	3.00	.1343	0.013956	214965110.16
1121747660	Capacitor	C204,C305,C310,C312	Bellcore Issue 6	Level I		0.004652	4.00	.1791	0.018608	214965110.16
1124501780	Capacitor	C147,C152	Bellcore Issue 6	Level I		0.004652	2.00	.0895	0.009304	214965110.16
1124510280	Capacitor	C120,C121,C218	Bellcore Issue 6	Level I		0.004652	3.00	.1343	0.013956	214965110.16
1124415080	Capacitor	C270	Bellcore Issue 6	Level I		0.004652	1.00	.0448	0.004652	214965110.16
1124420080	Capacitor	C101,C266,C96	Bellcore Issue 6	Level I		0.004652	3.00	.1343	0.013956	214965110.16
1124522180	Capacitor	C11-C15,C159,C16,C160-C174,C17-C21,C216,C22-C26,C307,C40	Bellcore Issue 6	Level I		0.004652	35.00	1.5668	0.162817	214965110.16
1124522280	Capacitor	C314,C318	Bellcore Issue 6	Level I		0.004652	2.00	.0895	0.009304	214965110.16
1124527080	Capacitor	C252,C264	Bellcore Issue 6	Level I		0.004652	2.00	.0895	0.009304	214965110.16
1124533080	Capacitor	C286,C287	Bellcore Issue 6	Level I		0.004652	2.00	.0895	0.009304	214965110.16
1124447080	Capacitor	C10,C142-C144,C3-C8,C81,C83,C-88,C9,C92	Bellcore Issue 6	Level I		0.004652	15.00	.6715	0.069779	214965110.16
1125501760	Capacitor	C180	Bellcore Issue 6	Level I		0.004652	1.00	.0448	0.004652	214965110.16
1129747650	Capacitor	C234,C244	Bellcore Issue 6	Level I		0.004652	2.00	.0895	0.009304	214965110.16
1540710380	Resistor	RN7,RN8	Bellcore Issue 6	Level I		0.013254	2.00	.2551	0.026507	75451339.96
1300581740	Semiconductor	D13,D16	Bellcore Issue 6	Level I		0.027912	2.00	.5372	0.055823	35827518.36
1143610080	Capacitor	C247,C248,C249,C44	Bellcore Issue 6	Level I		0.004652	4.00	.1791	0.018608	214965110.16

AAEON Reliability Prediction Report

Part Number 9697T09500
Reference Des
Date 07. 20, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.30



Description
File Name AEC-6905.RPJ
Time 3:26 PM
Failure Rate 10.391485
MTBF 96,233

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1301005441	Semiconductor	D10,D12,D7	Bellcore Issue 6	Level I		0.027912	3.00	.8058	0.083735	35827518.36
1540782280	Resistor	RN9	Bellcore Issue 6	Level I		0.013254	1.00	.1275	0.013254	75451339.96
1310222210	Semiconductor	Q12	Bellcore Issue 6	Level I		0.024786	1.00	.2385	0.024786	40345245.92
1314111711	Semiconductor	Q10,Q17	Bellcore Issue 6	Level I		0.049572	2.00	.9541	0.099144	20172622.96
14S1488000	Integrated Circuit	U31	Bellcore Issue 6	Level I		0.065262	1.00	.6280	0.065262	15322833.43
1314111712	Semiconductor	Q11	Bellcore Issue 6	Level I		0.049572	1.00	.4770	0.049572	20172622.96
14S5203200	Integrated Circuit	U5	Bellcore Issue 6	Level I		0.068896	1.00	.6630	0.068896	14514641.30
14S4048501	Integrated Circuit	U16,U17	Bellcore Issue 6	Level I		0.065262	2.00	1.2561	0.130524	15322833.43
1540733082	Resistor	RN1,RN10-RN13,RN2-RN6	Bellcore Issue 6	Level I		0.013254	10.00	1.2754	0.132536	75451339.96
14S4021310	Integrated Circuit	U19	Bellcore Issue 6	Level I	18.80	0.235389	1.00	2.2652	0.235389	4248290.85
14S4021310	Integrated Circuit	U13,U14,U20	Bellcore Issue 6	Level I		0.065262	3.00	1.8841	0.195786	15322833.43
1129610260	Capacitor	C153,C154	Bellcore Issue 6	Level I		0.004652	2.00	.0895	0.009304	214965110.16
14S5812500	Integrated Circuit	U24	Bellcore Issue 6	Level I		0.040803	1.00	.3927	0.040803	24508115.78
14S5837301	Integrated Circuit	U2	Bellcore Issue 6	Level I		0.042159	1.00	.4057	0.042159	23719642.97
1315700211	Semiconductor	Q1,Q16,Q2,Q27,Q3,Q32-Q34,Q4,Q-5,Q7,Q9	Bellcore Issue 6	Level I		0.082620	12.00	9.5409	0.991443	12103573.77
14S5A00700	Integrated Circuit	U12	Bellcore Issue 6	Level I		0.040885	1.00	.3934	0.040885	24459147.05
14S5A01400	Integrated Circuit	U18,U6	Bellcore Issue 6	Level I		0.040885	2.00	.7869	0.081769	24459147.05
1059710003	Resistor	R110,R114,R116	Bellcore Issue 6	Level I		0.002326	3.00	.0671	0.006978	429930220.32
1059703623	Resistor	R166	Bellcore Issue 6	Level I		0.002326	1.00	.0224	0.002326	429930220.32
1124447180	Capacitor	C131-C133,C135-C141,C319-C322	Bellcore Issue 6	Level I		0.004652	14.00	.6267	0.065127	214965110.16
1124701680	Capacitor	C123,C219,C65	Bellcore Issue 6	Level I		0.004652	3.00	.1343	0.013956	214965110.16
105A503300	Resistor	R282-R286,R40,R43,R76,R78,R86-R87,R92	Bellcore Issue 6	Level I		0.002326	12.00	.2686	0.027912	429930220.32
1121610180	Capacitor	C151,C222,C278	Bellcore Issue 6	Level I		0.004652	3.00	.1343	0.013956	214965110.16
14S5824401	Integrated Circuit	U3,U4	Bellcore Issue 6	Level I		0.041044	2.00	.7900	0.082088	24364202.03
105A504733	Resistor	R102,R103,R152,R18,R19,R26-R28-R280,R281,R64	Bellcore Issue 6	Level I		0.002326	11.00	.2462	0.025586	429930220.32
105A536503	Resistor	R137	Bellcore Issue 6	Level I		0.002326	1.00	.0224	0.002326	429930220.32
1129701690	Capacitor	C1,C100,C103,C105,C107,C109,C-110,C112,C114-C117,C124,C125,-C134,C146	Bellcore Issue 6	Level I		0.004652	16.00	.7163	0.074431	214965110.16

AAEON Reliability Prediction Report

Part Number 9697T09500
Reference Des
Date 07. 20, 2007
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.30



Description
File Name AEC-6905.RPJ
Time 3:26 PM
Failure Rate 10.391485
MTBF 96,233

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1129701690	Capacitor	C150,C155,C157,C175,C1778,C179-,C181-C188,C199-C203,C209,C210-,C221,C224	Bellcore Issue 6	Level I		0.004652	23.00	1.0296	0.106994	214965110.16
1129701690	Capacitor	C226,C230-C233,C235,C236,C238-,C243,C245,C251,C253,C254-C259-,C261-C263	Bellcore Issue 6	Level I		0.004652	25.00	1.1192	0.116298	214965110.16
1129701690	Capacitor	C265,C267,C269,C273-C277,C279-,C285,C288,C289,C291-C293,C295-,C299,C300	Bellcore Issue 6	Level I		0.004652	23.00	1.0296	0.106994	214965110.16
1129701690	Capacitor	C302,C303,C309,C316,C42,C43,C-,C45,C49-C54,C56,C58-C64,C67,C68-,C74-C76	Bellcore Issue 6	Level I		0.004652	26.00	1.1639	0.120950	214965110.16
1129701690	Capacitor	C78,C79,C82,C84,C85,C87,C89-C-,C91,C94,C95,C97-C99	Bellcore Issue 6	Level I		0.004652	14.00	.6267	0.065127	214965110.16
105A539203	Resistor	R153	Bellcore Issue 6	Level I		0.002326	1.00	.0224	0.002326	429930220.32
1301053040	Semiconductor	D19,D4	Bellcore Issue 6			0.008262	2.00	.1590	0.016524	121035737.75
105A568003	Resistor	R74	Bellcore Issue 6	Level I		0.002326	1.00	.0224	0.002326	429930220.32
1315970110	Integrated Circuit	U10	Bellcore Issue 6	Level I		0.065262	1.00	.6280	0.065262	15322833.43
1301005443	Semiconductor	D6	Bellcore Issue 6	Level I		0.027912	1.00	.2686	0.027912	35827518.36
1231325050	Miscellaneous	Y2	Bellcore Issue 6	Level I		0.150000	1.00	1.4435	0.150000	6666666.67
1121610060	Capacitor	C227	Bellcore Issue 6	Level I		0.004652	1.00	.0448	0.004652	214965110.16
1129710050	Capacitor	C104,C176,C177,C223,C225,C246-,C250,C260,C290,C294,C296,C315-,C66,C77	Bellcore Issue 6	Level I		0.004652	14.00	.6267	0.065127	214965110.16
105A515033	Resistor	R160,R256	Bellcore Issue 6	Level I		0.002326	2.00	.0448	0.004652	429930220.32
1214309000	Inductor	L1,L10,L2-L4,L7	Bellcore Issue 6	Level I		0.002326	6.00	.1343	0.013956	429930220.32
1314193110	Integrated Circuit	U21,U30	Bellcore Issue 6	Level I		0.065262	2.00	1.2561	0.130524	15322833.43
1654262300	Connection	MPC11	Bellcore Issue 6	Level I		0.075489	1.00	.7265	0.075489	13246922.95
105A515433	Resistor	R30	Bellcore Issue 6	Level I		0.002326	1.00	.0224	0.002326	429930220.32
1124401880	Capacitor	C197,C198,C35,C36	Bellcore Issue 6	Level I		0.004652	4.00	.1791	0.018608	214965110.16
105A500139	Resistor	R31,R34	Bellcore Issue 6	Level I		0.002326	2.00	.0448	0.004652	429930220.32
121230805L	Inductor	L40	Bellcore Issue 6	Level I		0.002326	1.00	.0224	0.002326	429930220.32
105A705153	Resistor	R155,R156	Bellcore Issue 6	Level I		0.013956	2.00	.2686	0.027912	71655036.72
1121701080	Capacitor	C106,C108,C119,C122,C126,C130-,C189-C196,C205-C208,C211-C215-,C228,C237	Bellcore Issue 6	Level I		0.004652	25.00	1.1192	0.116298	214965110.16

AAEON Reliability Prediction Report

Part Number 9697T09500
Reference Des
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Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.30



Description
File Name AEC-6905.RPJ
Time 3:26 PM
Failure Rate 10.391485
MTBF 96,233

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1121701080	Capacitor	C268,C306,C317,C38,C57,C86	Bellcore Issue 6	Level I		0.004652	6.00	.2686	0.027912	214965110.16
1054600289	Resistor	R258,R259	Bellcore Issue 6	Level I		0.016536	2.00	.3183	0.033072	60473796.98
1315030210	Semiconductor	Q13,Q14	Bellcore Issue 6	Level I		0.165240	2.00	3.1803	0.330481	6051786.89
1129722060	Capacitor	C113,C47,C69	Bellcore Issue 6	Level I		0.004652	3.00	.1343	0.013956	214965110.16
105A518223	Resistor	R257	Bellcore Issue 6	Level I		0.002326	1.00	.0224	0.002326	429930220.32
1752340000	Miscellaneous	FS3	Bellcore Issue 6	Level I		0.030000	1.00	.2887	0.030000	33333333.33
1189615187	Capacitor	C229	Bellcore Issue 6	Level I		0.004652	1.00	.0448	0.004652	214965110.16
105A547523	Resistor	R255	Bellcore Issue 6	Level I		0.002326	1.00	.0224	0.002326	429930220.32
1121722090	Capacitor	C308,C39	Bellcore Issue 6	Level I		0.004652	2.00	.0895	0.009304	214965110.16
1315230111	Semiconductor	Q29,Q31	Bellcore Issue 6	Level I		0.082620	2.00	1.5902	0.165240	12103573.77
1315177810	Semiconductor	U22	Bellcore Issue 6	Level I		0.082620	1.00	.7951	0.082620	12103573.77
1301003640	Semiconductor	D14,D15,D17,D18,D2,D3,D9	Bellcore Issue 6	Level I		0.027912	7.00	1.8802	0.195381	35827518.36
1315567010	Semiconductor	Q8	Bellcore Issue 6	Level I		0.165240	1.00	1.5902	0.165240	6051786.89
11E9622050	Capacitor	C111,C118,C80,C93	Bellcore Issue 6	Level I		0.004652	4.00	.1791	0.018608	214965110.16
1315567011	Semiconductor	Q6	Bellcore Issue 6	Level I	12.00	0.229548	1.00	2.2090	0.229548	4356396.24
1315567011	Semiconductor	Q15,Q23-Q26	Bellcore Issue 6	Level I		0.082620	5.00	3.9754	0.413101	12103573.77
16540A0000	Connection	U1A,U1B,U1C,U1D	Bellcore Issue 6	Level I		0.060878	4.00	2.3434	0.243514	16426184.45
121230603S	Inductor	L12,L19,L25,L27,L29-L33,L8,L9	Bellcore Issue 6	Level I		0.002326	11.00	.2462	0.025586	429930220.32
121230603T	Inductor	L18,L20-L22,L5,L6	Bellcore Issue 6	Level I		0.002326	6.00	.1343	0.013956	429930220.32
14S4397704	Integrated Circuit	U28	Bellcore Issue 6	Level I	21.50	0.136480	1.00	1.3134	0.136480	7327106.05
1050597623	Resistor	R263	Bellcore Issue 6	Level I		0.002326	1.00	.0224	0.002326	429930220.32
105A505933	Resistor	R251	Bellcore Issue 6	Level I		0.002326	1.00	.0224	0.002326	429930220.32
1315970211	Integrated Circuit	F1,F2	Bellcore Issue 6	Level I		0.065262	2.00	1.2561	0.130524	15322833.43
1654030001	Connection	CN2	Bellcore Issue 6	Level I		0.018264	1.00	.1758	0.018264	54753948.17
14S4195710	Integrated Circuit	U23	Bellcore Issue 6	Level I		0.065262	1.00	.6280	0.065262	15322833.43
121110336H	Inductor	L36	Bellcore Issue 6	Level I		0.059730	1.00	.5748	0.059730	16742056.95
121110100K	Inductor	L34,L35,L44,L45	Bellcore Issue 6	Level I		0.088386	4.00	3.4023	0.353546	11313953.17
1211102266	Inductor	L42	Bellcore Issue 6	Level I	9.00	0.104736	1.00	1.0079	0.104736	9547807.85
1211102266	Inductor	L43	Bellcore Issue 6	Level I		0.088386	1.00	.8506	0.088386	11313953.17
1314108517	Integrated Circuit	U15	Bellcore Issue 6	Level I	11.20	0.142787	1.00	1.3741	0.142787	7003433.09
14S3372801	Integrated Circuit	U29	Bellcore Issue 6	Level I		0.065262	1.00	.6280	0.065262	15322833.43

AAEON Reliability Prediction Report

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Time 3:26 PM
Failure Rate 10.391485
MTBF 96,233

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1752001601	Miscellaneous	FS1-FS2,FS4-FS6	Bellcore Issue 6	Level I		0.030000	5.00	1.4435	0.150000	33333333.33