

ONYX-175 Reliability Prediction Report (MTBF)

Report NO : 08P070022

11-04-2008

Issue Date

Wenyuan Yang

Manager

Jessica Chou

Test Engineer

Reliability Prediction (MTBF)

I . **Model Name:** TF-ONYX-175HT-A1

II . **Prediction Date:** Nov. 4th, 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: 25.5 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:

TF-ONYX-175HT-A1 (not include power supply, LCD, Inverter, system FAN) :

Failure Rate: 22.712849 ppm

MTBF: 44,028 Hours

Some components are provided by our suppliers:

- Power supply(SPS.100~240V.180W.ATX.9PA1802909)

MTBF: The power supply have a minimum predicted MTBF(MIL-HDBK-217) of 100,000 hours of continuous operation at 25°C , maximum-output load, and nominal AC input voltage.

- LCD(TFT LCD.17".CPT.CLAA170EA07.4 LAMP)
Lamp Life Time: Min. 40,000 hour(IL at 7.0 mA)

- Inverter(INVERTER.DC TO AC.FOR HYUNDAI 17" TFT LCD.(4LAMPS).QF132V1.16(S))
MTBF: 929,375.8033 hours

- System FAN(System FAN.12V DX.70*70*15mm.for ONYX-175/195)
MTTF: 606,120 hours at 30°C

AAEON Reliability Prediction Report

Part Number TF-ONYX-175HT-A1
Reference Des
Date 11. 4, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.50



Description Top-level assembly
File Name TF-ONYX-175HT-A1.RPJ
Time 1:46 下午
Failure Rate 22.712849
MTBF 44,028

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
TF-ONYX-175HT-A1	TF-ONYX-175HT-A1	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	22.712849	44,028
ASS'Y RISER Board PER-R08P	9697R08P00	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	0.293942	3,402,029
ASS'Y RFID ANT Board PER-T074	9697T07400	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	0.014908	67,078,111
ASS'Y SDVO to LVDS Board T079	9697T07904	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	1.310407	763,121
ASS'Y I/O Board T070	9697T07006	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	10.466524	95,543
COM-945	9697945004	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	10.021495	99,786
ASS'Y Card Reader T066	9697T06600	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	0.486849	2,054,027
ASS'Y Y011 OSD Board	9697Y01102	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	0.015184	65,858,089
ASS'Y CD-ROM Transfer Board T023	9697T02300	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	0.075553	13,235,813
ASS'Y YC03 USB Board	9697YC0300	Bellcore	Method I Case 3	GF, GU - Ground Fixed,		1.00	0.027986	35,731,802

AAEON Reliability Prediction Report

Part Number 9697T07904
Reference Des
Date 11. 4, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.50



Description
File Name TF-ONYX-175HT-A1.RPJ
Time 1:46 下午
Failure Rate 1.310407
MTBF 763,121

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1231114350	Miscellaneous	Y1	Bellcore Issue 6	Level I		0.150000	1.00	11.4468	0.150000	6666666.67
105A501033	Resistor	R17,R18,R20,R22-R24,R9	Bellcore Issue 6	Level I		0.002290	7.00	1.2233	0.016030	436681847.68
105A700003	Resistor	R10	Bellcore Issue 6	Level I		0.002290	1.00	.1748	0.002290	436681847.68
105A501223	Resistor	R11	Bellcore Issue 6	Level I		0.002290	1.00	.1748	0.002290	436681847.68
105A502423	Resistor	R19	Bellcore Issue 6	Level I		0.002290	1.00	.1748	0.002290	436681847.68
105A507503	Resistor	R12-R16	Bellcore Issue 6	Level I		0.002290	5.00	.8738	0.011450	436681847.68
105A504723	Resistor	R4-R7	Bellcore Issue 6	Level I		0.002290	4.00	.6990	0.009160	436681847.68
1122701680	Capacitor	C10-C12,C16-C20,C22,C24,C26,C-28-C32,C36-C41,C4,C43-C45,C7	Bellcore Issue 6	Level I		0.004580	27.00	9.4367	0.123660	218340923.84
1124422080	Capacitor	C5,C6	Bellcore Issue 6	Level I		0.004580	2.00	.6990	0.009160	218340923.84
1124427080	Capacitor	C23,C25	Bellcore Issue 6	Level I		0.004580	2.00	.6990	0.009160	218340923.84
1212306033	Inductor	L1,L10,L11,L2-L9	Bellcore Issue 6	Level I		0.002290	11.00	1.9223	0.025190	436681847.68
105A502200	Resistor	R1,R2	Bellcore Issue 6	Level I		0.002290	2.00	.3495	0.004580	436681847.68
14S3115000	Integrated Circuit	U1	Bellcore Issue 6	Level I		0.061574	1.00	4.6988	0.061574	16240641.01
1129610051	Capacitor	C1,C13-C15,C2,C21,C27,C3,C33--C35,C42,C8,C9	Bellcore Issue 6	Level I		0.004580	14.00	4.8931	0.064120	218340923.84
14S4730801	Integrated Circuit	U3	Bellcore Issue 6	Level I	34.80	0.597417	1.00	45.5902	0.597417	1673872.83
14S4702100	Integrated Circuit	U4	Bellcore Issue 6	Level I		0.072037	1.00	5.4973	0.072037	13881760.94
1231127051	Miscellaneous	Y2	Bellcore Issue 6	Level I		0.150000	1.00	11.4468	0.150000	6666666.67

AAEON Reliability Prediction Report

Part Number 9697T07006
Reference Des
Date 11. 4, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.50



Description
File Name TF-ONYX-175HT-A1.RPJ
Time 1:46 下午
Failure Rate 10.466524
MTBF 95,543

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1231124550	Miscellaneous	Y3	Bellcore Issue 6	Level I		0.150000	1.00	1.4331	0.150000	6666666.67
1112610190	Capacitor	EC1	Bellcore Issue 6	Level I		0.043800	1.00	.4185	0.043800	22830804.11
1759100002	Miscellaneous	BZ1,BZ2	Bellcore Issue 6	Level I		0.150000	2.00	2.8663	0.300000	6666666.67
1651028220	Connection	U8	Bellcore Issue 6	Level I		0.016352	1.00	.1562	0.016352	61153939.57
1653003100	Connection	JP1,JP3-JP8	Bellcore Issue 6	Level I		0.001752	7.00	.1172	0.012264	570770102.67
1653003101	Connection	JP12-JP16,JP2	Bellcore Issue 6	Level I		0.001752	6.00	.1004	0.010512	570770102.67
1653003201	Connection	JP9-JP11	Bellcore Issue 6	Level I		0.003504	3.00	.1004	0.010512	285385051.33
1653222200	Connection	CN20	Bellcore Issue 6	Level I		0.025696	1.00	.2455	0.025696	38916143.36
1653300100	Connection	J12,J13,J4	Bellcore Issue 6	Level I		0.001168	3.00	.0335	0.003504	856155154.00
1653300101	Connection	J1,J3,J5-J8	Bellcore Issue 6	Level I		0.001168	6.00	.0670	0.007008	856155154.00
1653300102	Connection	J16,J10,J11,J14,J15,J2,J9	Bellcore Issue 6	Level I		0.001168	7.00	.0781	0.008176	856155154.00
1654418100	Connection	CN28	Bellcore Issue 6	Level I		0.005256	1.00	.0502	0.005256	190256700.89
1655302020	Connection	CN4,CN9	Bellcore Issue 6	Level I		0.001168	2.00	.0223	0.002336	856155154.00
1655304020	Connection	CN1,CN2	Bellcore Issue 6	Level I		0.002336	2.00	.0446	0.004672	428077577.00
1655305020	Connection	CN15,CN6	Bellcore Issue 6	Level I		0.002920	2.00	.0558	0.005840	342462061.60
1655420020	Connection	CN19	Bellcore Issue 6	Level I		0.011680	1.00	.1116	0.011680	85615515.40
1655306020	Connection	CN22	Bellcore Issue 6	Level I		0.003504	1.00	.0335	0.003504	285385051.33
1750119011	Miscellaneous	BT1	Bellcore Issue 6	Level I		0.900000	1.00	8.5988	0.900000	1111111.11
1653205203	Connection	CN11,CN14	Bellcore Issue 6	Level I		0.005840	2.00	.1116	0.011680	171231030.80
1655308021	Connection	CN3	Bellcore Issue 6	Level I		0.004672	1.00	.0446	0.004672	214038788.50
1655003010	Connection	CN12,CN8	Bellcore Issue 6	Level I		0.001752	2.00	.0335	0.003504	570770102.67
1653008100	Connection	CN31	Bellcore Issue 6	Level I		0.004672	1.00	.0446	0.004672	214038788.50
1654612304	Connection	CN24	Bellcore Issue 6	Level I		0.003504	1.00	.0335	0.003504	285385051.33
1654530300	Connection	CN29	Bellcore Issue 6	Level I		0.008760	1.00	.0837	0.008760	114154020.53
1654543500	Connection	CN27	Bellcore Issue 6	Level I		0.025112	1.00	.2399	0.025112	39821169.95
1111610194	Capacitor	C101,C139,C180,C269,C270,C278-C279,C28,C284,C29,C300,C316,C-338,C77	Bellcore Issue 6	Level I		0.043800	14.00	5.8587	0.613207	22830804.11
1111610194	Capacitor	C80,C88	Bellcore Issue 6	Level I		0.043800	2.00	.8370	0.087601	22830804.11
1750220323	Connection	BT1	Bellcore Issue 6	Level I		0.001168	1.00	.0112	0.001168	856155154.00
1655310023	Connection	CN7	Bellcore Issue 6	Level I		0.005840	1.00	.0558	0.005840	171231030.80

AAEON Reliability Prediction Report

Part Number 9697T07006
Reference Des
Date 11. 4, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.50

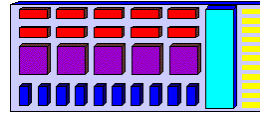


Description
File Name TF-ONYX-175HT-A1.RPJ
Time 1:46 下午
Failure Rate 10.466524
MTBF 95,543

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1653005206	Connection	CN13	Bellcore Issue 6	Level I		0.005840	1.00	.0558	0.005840	171231030.80
1231316053	Miscellaneous	Y1	Bellcore Issue 6	Level I		0.150000	1.00	1.4331	0.150000	6666666.67
1111610211	Capacitor	EC14	Bellcore Issue 6	Level I		0.073001	1.00	.6975	0.073001	13698482.46
1654608305	Connection	CN25	Bellcore Issue 6	Level I		0.009344	1.00	.0893	0.009344	107019394.25
1654218202	Connection	PCIE1	Bellcore Issue 6	Level I		0.021024	1.00	.2009	0.021024	47564175.22
12311120A1	Miscellaneous	X1	Bellcore Issue 6	Level I		0.150000	1.00	1.4331	0.150000	6666666.67
1654260207	Connection	PCI1	Bellcore Issue 6	Level I		0.070081	1.00	.6696	0.070081	14269252.57
111961029H	Capacitor	EC11,EC12	Bellcore Issue 6	Level I		0.073001	2.00	1.3949	0.146002	13698482.46
1654907004	Connection	SATA1,SATA2	Bellcore Issue 6	Level I		0.004088	2.00	.0781	0.008176	244615758.29
1652905201	Connection	CN5	Bellcore Issue 6	Level I		0.002920	1.00	.0279	0.002920	342462061.60
165300420J	Connection	CN18	Bellcore Issue 6	Level I		0.004672	1.00	.0446	0.004672	214038788.50
105A500233	Resistor	R403,R407,R409,R411,R414,R415	Bellcore Issue 6	Level I		0.002290	6.00	.1313	0.013740	436681847.68
105A501033	Resistor	R139,R144,R149,R157,R215,R72,-R80	Bellcore Issue 6	Level I		0.002290	7.00	.1532	0.016030	436681847.68
105A700003	Resistor	FB1,FB11-FB14,FB16,FB18,FB2,F-B20-FB25,FB3,FB4,FB44-FB57,FB5-,FB59,FB6,FB60	Bellcore Issue 6	Level I		0.002290	34.00	.7439	0.077860	436681847.68
105A700003	Resistor	FB7-FB9,R114,R126,R135,R15,R16-,R168,R180,R182,R190,R210,R224-,R254,R255	Bellcore Issue 6	Level I		0.002290	16.00	.3501	0.036640	436681847.68
105A700003	Resistor	R26,R270,R285-R288,R294,R297,-R30,R302,R31,R312,R313,R314,R-315,R32,R320	Bellcore Issue 6	Level I		0.002290	17.00	.3719	0.038930	436681847.68
105A700003	Resistor	R323,R329,R33,R36,R361,R375,R-376,R383,R385,R387,R395,R398,R-416,R6,R86	Bellcore Issue 6	Level I		0.002290	15.00	.3282	0.034350	436681847.68
105A700003	Resistor	R87-R89,R95	Bellcore Issue 6	Level I		0.002290	4.00	.0875	0.009160	436681847.68
105A701003	Resistor	R318,R319	Bellcore Issue 6	Level I		0.002290	2.00	.0438	0.004580	436681847.68
105A701053	Resistor	R115,R85	Bellcore Issue 6	Level I		0.002290	2.00	.0438	0.004580	436681847.68
105A702203	Resistor	R189,R191,R192,R197	Bellcore Issue 6	Level I		0.002290	4.00	.0875	0.009160	436681847.68
105A702223	Resistor	R20	Bellcore Issue 6	Level I		0.002290	1.00	.0219	0.002290	436681847.68
105A703303	Resistor	R10,R111,R117,R128,R148,R152,-R220,R239,R265,R61	Bellcore Issue 6	Level I		0.002290	10.00	.2188	0.022900	436681847.68
105A704723	Resistor	R1,R130,R133,R184,R195,R200,R-21,R212,R222,R229,R231,R234,R2-37,R241	Bellcore Issue 6	Level I		0.002290	14.00	.3063	0.032060	436681847.68

AAEON Reliability Prediction Report

Part Number 9697T07006
Reference Des
Date 11. 4, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.50

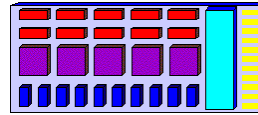


Description
File Name TF-ONYX-175HT-A1.RPJ
Time 1:46 下午
Failure Rate 10.466524
MTBF 95,543

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A704733	Resistor	R82	Bellcore Issue 6	Level I		0.002290	1.00	.0219	0.002290	436681847.68
105A705133	Resistor	R131	Bellcore Issue 6	Level I		0.002290	1.00	.0219	0.002290	436681847.68
105A710033	Resistor	R19,R244,R27,R342,R54,R55,R69-R84	Bellcore Issue 6	Level I		0.002290	8.00	.1750	0.018320	436681847.68
105A747033	Resistor	R2,R262,R266,R97	Bellcore Issue 6	Level I		0.002290	4.00	.0875	0.009160	436681847.68
105A751003	Resistor	R83	Bellcore Issue 6	Level I		0.002290	1.00	.0219	0.002290	436681847.68
105A756033	Resistor	R263,R264,R3,R96	Bellcore Issue 6	Level I		0.002290	4.00	.0875	0.009160	436681847.68
1212306032	Inductor	FB26-FB33,FB36-FB43	Bellcore Issue 6	Level I		0.002290	16.00	.3501	0.036640	436681847.68
1233324050	Miscellaneous	OSC1	Bellcore Issue 6	Level I		0.360000	1.00	3.4395	0.360000	2777777.78
1124422080	Capacitor	C415,C416	Bellcore Issue 6	Level I		0.004580	2.00	.0875	0.009160	218340923.84
1124405080	Capacitor	C109,C113	Bellcore Issue 6	Level I		0.004580	2.00	.0875	0.009160	218340923.84
1124510080	Capacitor	C105,C226-C228,C38,C53,C7	Bellcore Issue 6	Level I		0.004580	7.00	.3063	0.032060	218340923.84
1124510280	Capacitor	C1,C259,C267,C268,C271,C81	Bellcore Issue 6	Level I		0.004580	6.00	.2626	0.027480	218340923.84
1124420080	Capacitor	C61,C68	Bellcore Issue 6	Level I		0.004580	2.00	.0875	0.009160	218340923.84
1124547080	Capacitor	C287,C291,C298,C330-C336	Bellcore Issue 6	Level I		0.004580	10.00	.4376	0.045800	218340923.84
1124547180	Capacitor	C326-C329	Bellcore Issue 6	Level I		0.004580	4.00	.1750	0.018320	218340923.84
1124547280	Capacitor	C19-C26	Bellcore Issue 6	Level I		0.004580	8.00	.3501	0.036640	218340923.84
1540700080	Resistor	RN1	Bellcore Issue 6	Level I		0.006390	1.00	.0611	0.006390	156490149.87
1540710080	Resistor	RP2-RP9	Bellcore Issue 6	Level I		0.006390	8.00	.4884	0.051121	156490149.87
1129747650	Capacitor	C143	Bellcore Issue 6	Level I		0.004580	1.00	.0438	0.004580	218340923.84
1301005440	Semiconductor	D11,D3,D6,D7	Bellcore Issue 6	Level I		0.024226	4.00	.9258	0.096904	41277895.16
1301005441	Semiconductor	D13-D22,D27-D29,D8	Bellcore Issue 6	Level I		0.024226	14.00	3.2405	0.339165	41277895.16
1540775080	Resistor	RN2	Bellcore Issue 6	Level I		0.006390	1.00	.0611	0.006390	156490149.87
1540782280	Resistor	RP1,RP10,RP11	Bellcore Issue 6	Level I		0.006390	3.00	.1832	0.019171	156490149.87
1310390410	Semiconductor	Q17-Q16,Q6	Bellcore Issue 6	Level I		0.024226	4.00	.9258	0.096904	41277895.16
1311390610	Semiconductor	Q2,Q4,Q7	Bellcore Issue 6	Level I		0.024226	3.00	.6944	0.072678	41277895.16
14S4070610	Integrated Circuit	U23	Bellcore Issue 6	Level I		0.061574	1.00	.5883	0.061574	16240641.01
1651203291	Connection	U24	Bellcore Issue 6	Level I		0.018688	1.00	.1786	0.018688	53509697.12
14S4911216	Integrated Circuit	U20	Bellcore Issue 6	Level I		0.040466	1.00	.3866	0.040466	24712139.08
14S6334610	Integrated Circuit	U15,U9	Bellcore Issue 6	Level I		0.031736	2.00	.6064	0.063472	31509940.45
14S4048501	Integrated Circuit	U27,U29	Bellcore Issue 6	Level I		0.061574	2.00	1.1766	0.123148	16240641.01

AAEON Reliability Prediction Report

Part Number 9697T07006
Reference Des
Date 11. 4, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.50



Description
File Name TF-ONYX-175HT-A1.RPJ
Time 1:46 下午
Failure Rate 10.466524
MTBF 95,543

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1129701690	Capacitor	C337,C339-C343,C346,C36,C363,-C365,C367,C37,C370,C39,C4,C40-C41,C411	Bellcore Issue 6	Level I		0.004580	18.00	.7877	0.082440	218340923.84
1129701690	Capacitor	C412,C413,C417-C419,C42,C422,-C425-C428,C43,C430-C432,C435,-C438,C44	Bellcore Issue 6	Level I		0.004580	18.00	.7877	0.082440	218340923.84
1129701690	Capacitor	C46,C47,C5,C50-C52,C54,C57-C60-C6,C62,C64,C67,C69-C71,C73-C75,C78,C79	Bellcore Issue 6	Level I		0.004580	23.00	1.0064	0.105340	218340923.84
1129701690	Capacitor	C85,C87,C89-C91,C93,C95	Bellcore Issue 6	Level I		0.004580	6.00	.2626	0.027480	218340923.84
14S5A00401	Integrated Circuit	U1	Bellcore Issue 6	Level I		0.040466	1.00	.3866	0.040466	24712139.08
1121733380	Capacitor	C107	Bellcore Issue 6	Level I		0.004580	1.00	.0438	0.004580	218340923.84
105A702263	Resistor	R163,R240	Bellcore Issue 6	Level I		0.002290	2.00	.0438	0.004580	436681847.68
105A568003	Resistor	R94	Bellcore Issue 6	Level I		0.002290	1.00	.0219	0.002290	436681847.68
1315970110	Semiconductor	U11,U2,U32,U33,U38	Bellcore Issue 6	Level I		0.080753	5.00	3.8577	0.403767	12383368.55
14S3115000	Integrated Circuit	U21	Bellcore Issue 6	Level I		0.061574	1.00	.5883	0.061574	16240641.01
105A547503	Resistor	R64	Bellcore Issue 6	Level I		0.002290	1.00	.0219	0.002290	436681847.68
14S5A12503	Integrated Circuit	U30	Bellcore Issue 6	Level I		0.040466	1.00	.3866	0.040466	24712139.08
1301400640	Semiconductor	D35,D36	Bellcore Issue 6	Level I		0.024226	2.00	.4629	0.048452	41277895.16
106B501031	Resistor	RT1-RT3	Bellcore Issue 6	Level I		0.011680	3.00	.3348	0.035040	85615515.40
1311006910	Semiconductor	Q15,Q16	Bellcore Issue 6	Level I		0.024226	2.00	.4629	0.048452	41277895.16
1301002240	Semiconductor	D23,D24	Bellcore Issue 6	Level I		0.024226	2.00	.4629	0.048452	41277895.16
1654262300	Connection	MPC11	Bellcore Issue 6	Level I		0.072417	1.00	.6919	0.072417	13808954.10
1304101340	Semiconductor	D25	Bellcore Issue 6	Level I		0.005104	1.00	.0488	0.005104	195913336.05
121230805L	Inductor	L28,L29	Bellcore Issue 6	Level I		0.002290	2.00	.0438	0.004580	436681847.68
1121701080	Capacitor	C104,C133,C205,C249,C252,C255-C258,C260,C263-C266,C292,C293-C296,C347	Bellcore Issue 6	Level I		0.004580	16.00	.7001	0.073280	218340923.84
1121701080	Capacitor	C348,C360-C362,C371,C372,C406-C439,C440,C48,C56,C63,C66,C82-C84,C86	Bellcore Issue 6	Level I		0.004580	17.00	.7439	0.077860	218340923.84
1121701080	Capacitor	C92,C94,C96	Bellcore Issue 6	Level I		0.004580	3.00	.1313	0.013740	218340923.84
1315030210	Semiconductor	Q3	Bellcore Issue 6	Level I		0.080753	1.00	.7715	0.080753	12383368.55
1315441012	Semiconductor	Q9	Bellcore Issue 6	Level I		0.080753	1.00	.7715	0.080753	12383368.55
1752340000	Miscellaneous	F1	Bellcore Issue 6	Level I		0.030000	1.00	.2866	0.030000	33333333.33

AAEON Reliability Prediction Report

Part Number 9697T07006
Reference Des
Date 11. 4, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.50



Description
File Name TF-ONYX-175HT-A1.RPJ
Time 1:46 下午
Failure Rate 10.466524
MTBF 95,543

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1129610051	Capacitor	C11,C118,C119,C127,C144,C149--C151,C162,C176,C182,C197,C2,C-203,C225	Bellcore Issue 6	Level I		0.004580	15.00	.6564	0.068700	218340923.84
1129610051	Capacitor	C235,C236,C250,C262,C32,C34,C-35,C423,C436,C49,C72	Bellcore Issue 6	Level I		0.004580	11.00	.4813	0.050380	218340923.84
1315700310	Semiconductor	Q10	Bellcore Issue 6	Level I		0.080753	1.00	.7715	0.080753	12383368.55
14S4050100	Integrated Circuit	U13	Bellcore Issue 6	Level I		0.040466	1.00	.3866	0.040466	24712139.08
14S3065500	Integrated Circuit	U28	Bellcore Issue 6	Level I	27.60	0.388487	1.00	3.7117	0.388487	2574088.11
14S5A12505	Integrated Circuit	U26	Bellcore Issue 6	Level I		0.061574	1.00	.5883	0.061574	16240641.01
14S4871203	Integrated Circuit	U16	Bellcore Issue 6	Level I		0.040466	1.00	.3866	0.040466	24712139.08
14S5705300	Integrated Circuit	U14	Bellcore Issue 6	Level I		0.040466	1.00	.3866	0.040466	24712139.08
14S3522800	Integrated Circuit	U3,U4	Bellcore Issue 6	Level I		0.061574	2.00	1.1766	0.123148	16240641.01
11A4456680	Capacitor	C304,C305,C307-C309,C325	Bellcore Issue 6	Level I		0.004580	6.00	.2626	0.027480	218340923.84
14S4650601	Integrated Circuit	U17	Bellcore Issue 6	Level I		0.061574	1.00	.5883	0.061574	16240641.01
1315442910	Semiconductor	Q8	Bellcore Issue 6	Level I		0.080753	1.00	.7715	0.080753	12383368.55
1231325058	Miscellaneous	Y2	Bellcore Issue 6	Level I		0.150000	1.00	1.4331	0.150000	6666666.67
14S4910400	Integrated Circuit	U7	Bellcore Issue 6	Level I		0.040466	1.00	.3866	0.040466	24712139.08
14S4121601	Integrated Circuit	U25	Bellcore Issue 6	Level I		0.040466	1.00	.3866	0.040466	24712139.08
14S5A00601	Integrated Circuit	U42	Bellcore Issue 6			0.072037	1.00	.6883	0.072037	13881760.94
16540M0200	Connection	CN16,CN17	Bellcore Issue 6	Level I		0.128481	2.00	2.4551	0.256963	7783228.67
1129647650	Capacitor	C420,C421,C424,C429,C433,C434-C437	Bellcore Issue 6	Level I		0.004580	7.00	.3063	0.032060	218340923.84
11A4427080	Capacitor	C9	Bellcore Issue 6	Level I		0.004580	1.00	.0438	0.004580	218340923.84
1654030001	Connection	CN10	Bellcore Issue 6	Level I		0.017520	1.00	.1674	0.017520	57077010.27
14S1013200	Integrated Circuit	U6	Bellcore Issue 6	Level I	27.70	0.390867	1.00	3.7344	0.390867	2558415.05
14S3128421	Integrated Circuit	U39	Bellcore Issue 6	Level I		0.061574	1.00	.5883	0.061574	16240641.01
1059700201	Resistor	R396,R397	Bellcore Issue 6	Level I		0.002290	2.00	.0438	0.004580	436681847.68
1174610380	Capacitor	CP1	Bellcore Issue 6	Level I		0.005483	1.00	.0524	0.005483	182366143.54
1189647182	Capacitor	EC10,EC13,EC6,EC9	Bellcore Issue 6	Level I		0.004580	4.00	.1750	0.018320	218340923.84
14S4825730	Integrated Circuit	U44	Bellcore Issue 6	Level I		0.040466	1.00	.3866	0.040466	24712139.08
14S6308001	Integrated Circuit	U41	Bellcore Issue 6	Level I		0.049635	1.00	.4742	0.049635	20147245.09
16549B5300	Connection	CNB1	Bellcore Issue 6	Level I		0.134321	1.00	1.2833	0.134321	7444827.43

AAEON Reliability Prediction Report

Part Number 9697945004
Reference Des
Date 11. 4, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.50



Description
File Name TF-ONYX-175HT-A1.RPJ
Time 1:46 下午
Failure Rate 10.021495
MTBF 99,786

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A700003	Resistor	R202,R203,R672,R675,R697	Bellcore Issue 6	Level I		0.002290	5.00	.1143	0.011450	436681847.68
105A701003	Resistor	R439,R440,R443,R66,R665,R68	Bellcore Issue 6	Level I		0.002290	6.00	.1371	0.013740	436681847.68
105A701053	Resistor	R553	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
105A707503	Resistor	R2	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
105A701533	Resistor	R564,R565	Bellcore Issue 6	Level I		0.002290	2.00	.0457	0.004580	436681847.68
1059700001	Resistor	L21,L25,R334-R336,R446,R447,R5-46,R547,R555,R557,R566,R567,R6-7,R692,R736	Bellcore Issue 6	Level I		0.002290	16.00	.3656	0.036640	436681847.68
1059700101	Resistor	R552,R563	Bellcore Issue 6	Level I		0.002290	2.00	.0457	0.004580	436681847.68
105A500133	Resistor	R435,R543,R545	Bellcore Issue 6	Level I		0.002290	3.00	.0686	0.006870	436681847.68
105A503033	Resistor	R560	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
105A505623	Resistor	R486	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
105A511503	Resistor	R676	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
105A518703	Resistor	R677	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
105A571533	Resistor	R559	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
105A702033	Resistor	R92	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
105A702233	Resistor	R189	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
105A705103	Resistor	R10	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
105A710033	Resistor	R656	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
1212308054	Inductor	L22,L6	Bellcore Issue 6	Level I		0.002290	2.00	.0457	0.004580	436681847.68
1231332721	Miscellaneous	Y1	Bellcore Issue 6	Level I		0.150000	1.00	1.4968	0.150000	6666666.67
1121501680	Capacitor	C612	Bellcore Issue 6	Level I		0.004580	1.00	.0457	0.004580	218340923.84
1121722650	Capacitor	C439-C441,C445,C446	Bellcore Issue 6	Level I		0.004580	5.00	.2285	0.022900	218340923.84
1122722780	Capacitor	C412,C416	Bellcore Issue 6	Level I		0.004580	2.00	.0914	0.009160	218340923.84
1124501750	Capacitor	C504	Bellcore Issue 6	Level I		0.004580	1.00	.0457	0.004580	218340923.84
1124518180	Capacitor	C427	Bellcore Issue 6	Level I		0.004580	1.00	.0457	0.004580	218340923.84
1124522280	Capacitor	C1	Bellcore Issue 6	Level I		0.004580	1.00	.0457	0.004580	218340923.84
1124533080	Capacitor	C282,C283	Bellcore Issue 6	Level I		0.004580	2.00	.0914	0.009160	218340923.84
1124539180	Capacitor	C423	Bellcore Issue 6	Level I		0.004580	1.00	.0457	0.004580	218340923.84
1124547180	Capacitor	C419	Bellcore Issue 6	Level I		0.004580	1.00	.0457	0.004580	218340923.84
1301005440	Semiconductor	D3,D4,D6	Bellcore Issue 6	Level I		0.024226	3.00	.7252	0.072678	41277895.16

AAEON Reliability Prediction Report

Part Number 9697945004
Reference Des
Date 11. 4, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.50



Description
File Name TF-ONYX-175HT-A1.RPJ
Time 1:46 下午
Failure Rate 10.021495
MTBF 99,786

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1129701690	Capacitor	C500,C502,C503,C506,C507,C51--C60,C601-C603,C605,C606,C608,-C61-C74	Bellcore Issue 6	Level I		0.004580	35.00	1.5996	0.160300	218340923.84
1129710390	Capacitor	C332,C340,C352,C354	Bellcore Issue 6	Level I		0.004580	4.00	.1828	0.018320	218340923.84
1129701790	Capacitor	C109,C38	Bellcore Issue 6	Level I		0.004580	2.00	.0914	0.009160	218340923.84
1129722680	Capacitor	C118,C223,C225,C233,C235,C238-C241,C244	Bellcore Issue 6	Level I		0.004580	8.00	.3656	0.036640	218340923.84
1121733380	Capacitor	C420,C421	Bellcore Issue 6	Level I		0.004580	2.00	.0914	0.009160	218340923.84
1301053040	Semiconductor	D16-D19,D24,D5	Bellcore Issue 6	Level I		0.024226	6.00	1.4504	0.145356	41277895.16
105A702263	Resistor	R448,R464	Bellcore Issue 6	Level I		0.002290	2.00	.0457	0.004580	436681847.68
105A524963	Resistor	R101,R108,R26,R28,R32,R99	Bellcore Issue 6	Level I		0.002290	6.00	.1371	0.013740	436681847.68
1121610060	Capacitor	C438,C447	Bellcore Issue 6	Level I		0.004580	2.00	.0914	0.009160	218340923.84
105A527413	Resistor	R338	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
105A561923	Resistor	R480	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
1129710050	Capacitor	C149,C268,C272,C285,C288,C289-C327,C328,C348,C350,C361,C435-C451,C491	Bellcore Issue 6	Level I		0.004580	14.00	.6398	0.064120	218340923.84
1129710050	Capacitor	C492,C496,C508,C607	Bellcore Issue 6	Level I		0.004580	4.00	.1828	0.018320	218340923.84
1211101005	Inductor	L5,L7	Bellcore Issue 6	Level I		0.087020	2.00	1.7367	0.174040	11491627.57
105A710039	Resistor	R191,R410,R504,R65,R759	Bellcore Issue 6	Level I		0.002290	5.00	.1143	0.011450	436681847.68
105A747009	Resistor	R436	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
105A501529	Resistor	R56	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
1124427090	Capacitor	C610,C611	Bellcore Issue 6	Level I		0.004580	2.00	.0914	0.009160	218340923.84
105A549969	Resistor	R247,R248,R253-R255,R257,R259-R262,R263,R265,R268,R269,R271-R273,R276	Bellcore Issue 6	Level I		0.002290	15.00	.3428	0.034350	436681847.68
105A549969	Resistor	R277,R279,R280	Bellcore Issue 6	Level I		0.002290	3.00	.0686	0.006870	436681847.68
1121701080	Capacitor	C180,C189,C215,C217-C219,C221-C292,C395,C398,C407,C450,C499-C501,C510	Bellcore Issue 6	Level I		0.004580	15.00	.6855	0.068700	218340923.84
1121701080	Capacitor	C512,C556,C82	Bellcore Issue 6	Level I		0.004580	3.00	.1371	0.013740	218340923.84
105A715009	Resistor	R38-R40,R43,R44,R46	Bellcore Issue 6	Level I		0.002290	6.00	.1371	0.013740	436681847.68
105A705609	Resistor	R1,R13,R14,R17,R18,R221-R246,-R95,R98	Bellcore Issue 6	Level I		0.002290	33.00	.7541	0.075570	436681847.68
105A547509	Resistor	R291	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68

AAEON Reliability Prediction Report

Part Number 9697945004
Reference Des
Date 11. 4, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.50

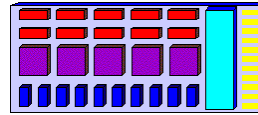


Description
File Name TF-ONYX-175HT-A1.RPJ
Time 1:46 下午
Failure Rate 10.021495
MTBF 99,786

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
105A501139	Resistor	R478	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
105A700239	Resistor	R11	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
105A701059	Resistor	R96	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
105A703909	Resistor	R214,R217,R219,R220,R331,R332-R47,R48	Bellcore Issue 6	Level I		0.002290	8.00	.1828	0.018320	436681847.68
105A522669	Resistor	R145	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
14S4148500	Integrated Circuit	U18	Bellcore Issue 6	Level I	35.40	0.618712	1.00	6.1739	0.618712	1616259.77
1124533190	Capacitor	C230	Bellcore Issue 6	Level I		0.004580	1.00	.0457	0.004580	218340923.84
105A549919	Resistor	R42,R714	Bellcore Issue 6	Level I		0.002290	2.00	.0457	0.004580	436681847.68
105A554963	Resistor	R12,R22,R29,R5,R8	Bellcore Issue 6	Level I		0.002290	5.00	.1143	0.011450	436681847.68
105A701233	Resistor	R671	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
1129610051	Capacitor	C105,C116,C123,C133,C136,C156-C159,C186,C39,C78,C80,C89,C90-C95,C99	Bellcore Issue 6	Level I		0.004580	15.00	.6855	0.068700	218340923.84
1315700310	Semiconductor	Q23,Q25	Bellcore Issue 6	Level I		0.080753	2.00	1.6116	0.161507	12383368.55
1121701790	Capacitor	C411,C426,C430,C431	Bellcore Issue 6	Level I		0.004580	4.00	.1828	0.018320	218340923.84
14S2705700	Integrated Circuit	U8	Bellcore Issue 6	Level I		0.061574	1.00	.6144	0.061574	16240641.01
1315230111	Semiconductor	Q32	Bellcore Issue 6	Level I		0.161507	1.00	1.6116	0.161507	6191684.27
14S2533100	Integrated Circuit	U32	Bellcore Issue 6	Level I		0.061574	1.00	.6144	0.061574	16240641.01
105A580663	Resistor	R52,R58	Bellcore Issue 6	Level I		0.002290	2.00	.0457	0.004580	436681847.68
14S4081110	Integrated Circuit	U21	Bellcore Issue 6	Level I		0.061574	1.00	.6144	0.061574	16240641.01
14S4081110	Integrated Circuit	U25	Bellcore Issue 6	Level I		0.061574	1.00	.6144	0.061574	16240641.01
11E9647680	Capacitor	C128,C130,C255	Bellcore Issue 6	Level I		0.004580	3.00	.1371	0.013740	218340923.84
16515A0997	Connection	DIMM1	Bellcore Issue 6	Level I		0.116801	1.00	1.1655	0.116801	8561551.54
121230805X	Inductor	L15,L16	Bellcore Issue 6	Level I		0.002290	2.00	.0457	0.004580	436681847.68
121230805Z	Inductor	L13	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
1189622189	Capacitor	C286	Bellcore Issue 6	Level I		0.004580	1.00	.0457	0.004580	218340923.84
14S1826100	Integrated Circuit	FQ15	Bellcore Issue 6	Level I		0.061574	1.00	.6144	0.061574	16240641.01
1121501690	Capacitor	C100,C107,C108,C110,C112,C114-C117,C124,C132,C134,C135,C144-C147,C152	Bellcore Issue 6	Level I		0.004580	14.00	.6398	0.064120	218340923.84
1121501690	Capacitor	C154,C157,C167-C178,C184,C185-C187,C188,C190-C196,C20,C200-C202-C214,C21	Bellcore Issue 6	Level I		0.004580	41.00	1.8738	0.187780	218340923.84

AAEON Reliability Prediction Report

Part Number 9697945004
Reference Des
Date 11. 4, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.50



Description
File Name TF-ONYX-175HT-A1.RPJ
Time 1:46 下午
Failure Rate 10.021495
MTBF 99,786

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1121501690	Capacitor	C216,C22,C220,C228,C229,C27-C-29,C40,C41,C620-C622,C96,C98	Bellcore Issue 6	Level I		0.004580	15.00	.6855	0.068700	218340923.84
1129522790	Capacitor	C121,C122,C151,C413,C417,C425-C76,C79,C83	Bellcore Issue 6	Level I		0.004580	9.00	.4113	0.041220	218340923.84
123131435B	Miscellaneous	Y2	Bellcore Issue 6	Level I		0.150000	1.00	1.4968	0.150000	6666666.67
1231325058	Miscellaneous	Y3	Bellcore Issue 6	Level I		0.150000	1.00	1.4968	0.150000	6666666.67
118961018A	Capacitor	C399	Bellcore Issue 6	Level I		0.004580	1.00	.0457	0.004580	218340923.84
1315313800	Semiconductor	U33	Bellcore Issue 6	Level I		0.080753	1.00	.8058	0.080753	12383368.55
16540M0000	Connection	CN2,CN3	Bellcore Issue 6	Level I		0.128481	2.00	2.5641	0.256963	7783228.67
14S2712000	Integrated Circuit	U34	Bellcore Issue 6	Level I		0.061574	1.00	.6144	0.061574	16240641.01
105A536513	Resistor	R457,R481	Bellcore Issue 6	Level I		0.002290	2.00	.0457	0.004580	436681847.68
1315441014	Semiconductor	Q10,Q34,Q9	Bellcore Issue 6	Level I		0.080753	3.00	2.4174	0.242260	12383368.55
1315441014	Semiconductor	Q35	Bellcore Issue 6	Level I		0.080753	1.00	.8058	0.080753	12383368.55
1315600210	Semiconductor	Q22	Bellcore Issue 6	Level I		0.161507	1.00	1.6116	0.161507	6191684.27
1315600210	Semiconductor	Q24	Bellcore Issue 6	Level I		0.161507	1.00	1.6116	0.161507	6191684.27
106B501032	Resistor	RT2	Bellcore Issue 6	Level I		0.011680	1.00	.1166	0.011680	85615515.40
106B747030	Resistor	RT1	Bellcore Issue 6	Level I		0.011680	1.00	.1166	0.011680	85615515.40
1189615160	Capacitor	C259,C261,C265,C400,C604	Bellcore Issue 6	Level I		0.004580	5.00	.2285	0.022900	218340923.84
1189633160	Capacitor	C104,C145,C183,C19,C30-C37,C5-13,C514,C75,C85-C87	Bellcore Issue 6	Level I		0.004580	18.00	.8226	0.082440	218340923.84
14S3422600	Integrated Circuit	U10	Bellcore Issue 6	Level I	35.30	0.615116	1.00	6.1380	0.615116	1625708.33
14S3626200	Integrated Circuit	U24	Bellcore Issue 6	Level I	34.10	0.243110	1.00	2.4259	0.243110	4113367.30
1129622050	Capacitor	C10-C14,C148,C15,C155,C16-C18-C23-C26,C3-C9	Bellcore Issue 6	Level I		0.004580	22.00	1.0054	0.100760	218340923.84
1121647480	Capacitor	C119,C120,C142,C150,C77,C81,C-84,C88,C91-C94	Bellcore Issue 6	Level I		0.004580	12.00	.5484	0.054960	218340923.84
105A540213	Resistor	R462	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
105A514733	Resistor	R450	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
105A526113	Resistor	R479	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
1129647650	Capacitor	C102,C103,C201,C415	Bellcore Issue 6	Level I		0.004580	4.00	.1828	0.018320	218340923.84
1651611991	Connection	U1	Bellcore Issue 6	Level I		0.001168	1.00	.0117	0.001168	856155154.00
14S4294501	Integrated Circuit	U3	Bellcore Issue 6	Level I	28.70	0.187631	1.00	1.8723	0.187631	5329619.63
14S428010D	Integrated Circuit	U4	Bellcore Issue 6	Level I	23.70	0.146479	1.00	1.4617	0.146479	6826907.33

AAEON Reliability Prediction Report

Part Number 9697945004
Reference Des
Date 11. 4, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.50

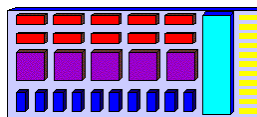


Description
File Name TF-ONYX-175HT-A1.RPJ
Time 1:46 下午
Failure Rate 10.021495
MTBF 99,786

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
14S9103200	Integrated Circuit	U2	Bellcore Issue 6	Level I		0.061574	1.00	.6144	0.061574	16240641.01
1300581940	Semiconductor	D1,D11,D12,D2	Bellcore Issue 6	Level I		0.024226	4.00	.9670	0.096904	41277895.16
1124515880	Capacitor	C408	Bellcore Issue 6	Level I		0.004580	1.00	.0457	0.004580	218340923.84
1122522890	Capacitor	C111,C113,C125,C126,C153,C158-C97	Bellcore Issue 6	Level I		0.004580	7.00	.3199	0.032060	218340923.84
14S2591200	Integrated Circuit	Q21	Bellcore Issue 6	Level I		0.061574	1.00	.6144	0.061574	16240641.01
105A544213	Resistor	R484	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
1050519114	Resistor	R218,R441	Bellcore Issue 6	Level I		0.002290	2.00	.0457	0.004580	436681847.68
121110156A	Inductor	L17,L31	Bellcore Issue 6	Level I		0.087020	2.00	1.7367	0.174040	11491627.57
121110156A	Inductor	L32	Bellcore Issue 6	Level I		0.103971	1.00	1.0375	0.103971	9618075.46
1211105673	Inductor	L24	Bellcore Issue 6	Level I	35.00	0.160443	1.00	1.6010	0.160443	6232735.77
1211105673	Inductor	L26	Bellcore Issue 6	Level I		0.087020	1.00	.8683	0.087020	11491627.57
1050512164	Resistor	R287	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
1050522104	Resistor	R23,R30	Bellcore Issue 6	Level I		0.002290	2.00	.0457	0.004580	436681847.68
1050525504	Resistor	R49	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
1050533034	Resistor	R102	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
1050549904	Resistor	R471	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
105A511523	Resistor	R476	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
105A501413	Resistor	R475	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
105A518213	Resistor	R474	Bellcore Issue 6	Level I		0.002290	1.00	.0229	0.002290	436681847.68
1121533480	Capacitor	C422	Bellcore Issue 6	Level I		0.004580	1.00	.0457	0.004580	218340923.84
1315441012	Semiconductor	Q30,Q31	Bellcore Issue 6	Level I		0.080753	2.00	1.6116	0.161507	12383368.55
105A703329	Resistor	R708,R712,R713,R723,R728,R729	Bellcore Issue 6	Level I		0.002290	6.00	.1371	0.013740	436681847.68
105A704709	Resistor	R731,R733,R734	Bellcore Issue 6	Level I		0.002290	3.00	.0686	0.006870	436681847.68
14S6308001	Integrated Circuit	U37	Bellcore Issue 6	Level I		0.049635	1.00	.4953	0.049635	20147245.09
14S5A00601	Integrated Circuit	U41	Bellcore Issue 6	Level I		0.040466	1.00	.4038	0.040466	24712139.08
1311006910	Semiconductor	Q11,Q12	Bellcore Issue 6	Level I		0.024226	2.00	.4835	0.048452	41277895.16
131411171C	Integrated Circuit	U35	Bellcore Issue 6	Level I		0.061574	1.00	.6144	0.061574	16240641.01
1189622850	Capacitor	C115,C131,C138-C140,C199	Bellcore Issue 6	Level I		0.004580	6.00	.2742	0.027480	218340923.84
14S4825730	Integrated Circuit	U36	Bellcore Issue 6	Level I		0.040466	1.00	.4038	0.040466	24712139.08
14S6204007	Integrated Circuit	FWH1	Bellcore Issue 6	Level I		0.167978	1.00	1.6762	0.167978	5953151.94

AAEON Reliability Prediction Report

Part Number 9697T02300
Reference Des
Date 11. 4, 2008
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 25.50



Description
File Name TF-ONYX-175HT-A1.RPJ
Time 1:46 下午
Failure Rate 0.075553
MTBF 13,235,813

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1122701680	Capacitor	C2,C4	Bellcore Issue 6	Level I		0.004580	2.00	12.1240	0.009160	218340923.84
1121610060	Capacitor	C1,C3	Bellcore Issue 6	Level I		0.004580	2.00	12.1240	0.009160	218340923.84
1654050000	Connection	CN2	Bellcore Issue 6	Level I		0.029200	1.00	38.6490	0.029200	34246206.16
1653002101	Connection	JP1	Bellcore Issue 6	Level I		0.001168	1.00	1.5460	0.001168	856155154.00
1653300102	Connection	JP1(1,2)	Bellcore Issue 6	Level I		0.001168	1.00	1.5460	0.001168	856155154.00
1653222200	Connection	CN1	Bellcore Issue 6	Level I		0.025696	1.00	34.0111	0.025696	38916143.36

