



AAEON Technology INC.
ISO-9001/ISO-14001 Certified
Industrial Automation PCs

AMB-255A-B1

Reliability Prediction Report

(MTBF)

Release Date: NOV.02, 2001

Issue Stamp

QA Manager

QE Manager

Test Engineer

Reliability Prediction (MTBF)

I . Model Name: AMB-255A-B1

II . Description: 15" TFT Analog W/O Touch

III . Prediction Date: NOV. 02, 2001

IV . Prediction Site: AAEON QE Dept.

V . Predicted by : Linda Sun

VI . Equipment: Relex Ver.7.1 Visual Reliability Software

VII. Simulation Environment:

- Temperature: 25 degrees C
- Standard: Telcordia (Bellcore) Standard

VIII. 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.

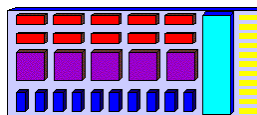
IX. Prediction Result:

- Failure Rate: 77.438742 ppm
- MTBF: 12,913Hours (Not include Membrane Switch)

X. Prediction Table:

AAEON Reliability Prediction Report

Part Number AMB-255A-B1
Reference Des
Date 11. 2, 2001
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

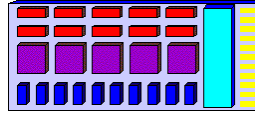


Description Top-level assembly
File Name AMB-255A-B1.RPJ
Time 6:13 PM
Failure Rate 77.438742
MTBF 12,913

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
AMB-255A-B1	AMB-255A-B1	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	77.438742	12,913
Display Kit. for	9761025553	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	44.105412	22,673
AMB-255A-B1								
Control Kit. for	97610255A6	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	11.226292	89,077
AMB-255A-B1								
LVDS-AD-T200	969BAT2030	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	0.926231	1,079,645
TB-908A	969B908A30	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	0.119372	8,377,200
LCDS-R200D	969B200D00	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	1.074611	930,569

AAEON Reliability Prediction Report

Part Number AMB-255A-B1
Reference Des
Date 11. 2, 2001
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00

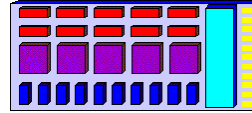


Description Top-level assembly
File Name AMB-255A-B1.RPJ
Time 6:13 PM
Failure Rate 77.438742
MTBF 12,913

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1757305000	Other	Power Adapter	Bellcore Issue 6			33.333330	1.00	100.0000	33.333330	30000.00

AAEON Reliability Prediction Report

Part Number 969B200D00
Reference Des
Date 11. 2, 2001
Environment GF, GU - Ground Fixed, Uncontrolled
Temperature 25.00



Description
File Name AMB-255A-B1.RPJ
Time 6:13 PM
Failure Rate 1.074611
MTBF 930,569

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Failure Rate, Unit	Quantity	Failure Rate, %	Failure Rate	MTBF, Unit
1655302120	Connection	JP1	Bellcore Issue 6	Level I		0.001138	1.00	.1059	0.001138	878780270.71
1121610060	Capacitor	C1,C11,C13,C19,C4,C6	Bellcore Issue 6	Level I		0.042673	6.00	23.8260	0.256037	23434140.55
1121701680	Capacitor	C2,C3,C5,C7-C10,C12,C14-C17	Bellcore Issue 6	Level I		0.042673	12.00	47.6520	0.512073	23434140.55
105A502233	Resistor	R1,R2	Bellcore Issue 6	Level I		0.002268	2.00	.4221	0.004535	440974090.03
1059700003	Resistor	R4	Bellcore Issue 6	Level I		0.002268	1.00	.2110	0.002268	440974090.03
1059710003	Resistor	R10-12,R5-R9	Bellcore Issue 6	Level I		0.002268	8.00	1.6882	0.018142	440974090.03
1059710033	Resistor	R13	Bellcore Issue 6	Level I		0.002268	1.00	.2110	0.002268	440974090.03
1059701033	Resistor	R14	Bellcore Issue 6	Level I		0.002268	1.00	.2110	0.002268	440974090.03
1059704721	Resistor	R16	Bellcore Issue 6	Level I		0.002268	1.00	.2110	0.002268	440974090.03
105A501523	Resistor	R17,R19	Bellcore Issue 6	Level I		0.002268	2.00	.4221	0.004535	440974090.03
1212312064	Inductor	L2-L5	Bellcore Issue 6	Level I		0.002268	4.00	.8441	0.009071	440974090.03
1310222210	Semiconductor	Q1	Bellcore Issue 6	Level I		0.047762	1.00	4.4446	0.047762	20937163.79
1315450310	Semiconductor	Q2	Bellcore Issue 6	Level I		0.079603	1.00	7.4076	0.079603	12562298.27
14S4636400	Integrated Circuit	U1,U2	Bellcore Issue 6	Level I		0.039296	2.00	7.3135	0.078592	25448028.36
1654230330	Connection	CN3	Bellcore Issue 6	Level I		0.034138	1.00	3.1768	0.034138	29292675.69
1654902330	Connection	CN6	Bellcore Issue 6	Level I		0.001138	1.00	.1059	0.001138	878780270.71
1654904330	Connection	CN2,CN5	Bellcore Issue 6	Level I		0.002276	2.00	.4236	0.004552	439390135.35
1254905330	Connection	CN4	Bellcore Issue 6	Level I		0.002845	1.00	.2647	0.002845	351512108.28
1254920330	Connection	CN1	Bellcore Issue 6	Level I		0.011379	1.00	1.0589	0.011379	87878027.07