



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

# AMB-223A-B1

## Reliability Prediction Report

### (MTBF)

Release Date: NOV.02, 2001

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Issue Stamp

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QA Manager

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QE Manager

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Test Engineer

# Reliability Prediction (MTBF)

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**I . Model Name:** AMB-223A-B1

**II . Description:** Display Monitor, 12.1” TFT, 45W DC/12 ADPS

**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.

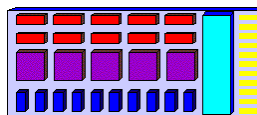
## **IX. Prediction Result:**

- Failure Rate: 74.059168 ppm
- MTBF: 13,503Hours (Not include Membrane Switch)

## **X. Prediction Table:**

### AAEON Reliability Prediction Report

**Part Number** AMB-223A-B1  
**Reference Des**  
**Date** 11. 2, 2001  
**Environment** GF, GU - Ground Fixed, Uncontrolled  
**Temperature** 25.00

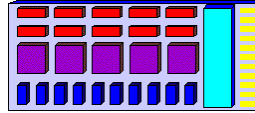


**Description** Top-level assembly  
**File Name** AMB-223A-B1.RPJ  
**Time** 6:21 PM  
**Failure Rate** 74.059168  
**MTBF** 13,503

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
AMB-223A-B1	AMB-223A-B1	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	74.059168	13,503
Display Kit. for	9761022356	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	40.725838	24,554
AMB-223A-B1								
Control Kit. for	97610223A8	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	9.310218	107,409
AMB-223A-B1								
TB-908A	969B908A30	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	0.119372	8,377,200
TB-903A	969B903A30	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	0.084768	11,796,846

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**Description** Top-level assembly  
**File Name** AMB-223A-B1.RPJ  
**Time** 6:21 PM  
**Failure Rate** 74.059168  
**MTBF** 13,503

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







