



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

PCM-3794  
**Reliability Prediction Report**  
(MTBF)

Release Date: FEB. 04, 2002

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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:** PCM-3794

**II .Description:** PC/104 PLUS. Board PCMCIA(2-Slot) Module.(Rev:A1.0)

**III . Prediction Date:** FEB. 04. 2002

**IV. Prediction Site:** AAEON QE Dept.

**V . Predicted by :** Linda Sun

**VI. Equipment:** Relx Ver.7.2 Visual Reliability Software

## **VII. Simulation Environment:**

- Temperature: 25 degrees C(No temperature rise condition )
- 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: 0.764559ppm
- MTBF: 1,307,944Hours

## **X. Prediction Table:**

### AAEON Reliability Prediction Report

**Part Number** 9697379404  
**Reference Des**  
**Date** 02. 4, 2002  
**Environment** GF, GU - Ground Fixed, Uncontrolled  
**Temperature** 25.00



**Description** Top-level assembly  
**File Name** PCM-3794A10.RPJ  
**Time** 2:13 PM  
**Failure Rate** 0.764559  
**MTBF** 1,307,944

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
PCM-3794A10	9697379404	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	0.764559	1,307,944

