

# PER-C101 Reliability Prediction Report (MTBF)

Report NO : 05I070009

**10-28-2005**

Issue Date

**Wenyuan Yang**

Manager

**Jessica Chou**

Test Engineer

## Reliability Prediction (MTBF)

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**I . Model Name:** PER-C101 (PER-C101-W.Rev A0.1.DUAL PCI-E Giga LAN.(WorkStation Level).COM Port)

**II . Prediction Date:** Oct. 28, 2005

**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: 25.2 degrees C
- Standard: Telcordia (Bellcore) Standard

### **VII. Term and Definition:**

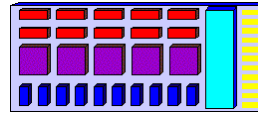
- Unit : An assembly of device.
- Duty Cycle : Used to specify the percentage of time that the element is in an on state, and it is equal to the percentage of total time the item is in the active environment.
- Quantity : The quantity of the selected item.
- Failure Rate : Used to specify that the failure 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:**

- Failure Rate: 1.302802 ppm
- MTBF: 767,576 Hours

### AAEON Reliability Prediction Report

**Part Number** 9697C10102  
**Reference Des**  
**Date** 10. 27, 2005  
**Environment** GF, GU - Ground Fixed, Uncontrolled  
**Temperature** 25.20



**Description** Top-level assembly  
**File Name** PER-C101-A01.RPJ  
**Time** 5:27 下午  
**Failure Rate** 1.302802  
**MTBF** 767,576

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
PER-C101	9697C10102	Bellcore	Method I Case 3	GF, GU - Ground Fixed,	100.00	1.00	1.302802	767,576

