

PER-C35L

Reliability Prediction Report (MTBF)

Report NO. : 10I070003

03-11-2010

Issue Date

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Reliability Prediction (MTBF)

I . **Model Name:** PER-C35L(9697C35L00-D)

II . **Prediction Date:** Mar. 11, 2010

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: 26 degrees C
- Standard: Telcordia (Bellcore) Standard

VII . **Term and Definition:**

- Unit : An assembly of device.
- Duty Cycle : 100%
- 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:**

- PER-C35L(9697C35L00-D):
Failure Rate: 1.421110 ppm
MTBF: 703,675 Hours

AAEON Reliability Prediction Report

Part Number 9697C35L00-D
Reference Des
Date 03. 11, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.00



Description Top-level assembly
File Name PER-C35L.RPJ
Time 9:07 上午
Failure Rate 1.421110
MTBF 703,675

Assembly Name	Part Number	Model	Method	Environment	Duty Cycle	Qty	Failure Rate	MTBF
PER-C35L	9697C35L00-D	Telcordia Issue 1	Method I Case 3	GF, GU - Ground Fixed, Uncontrolled	100.00	1.00	1.42	703675.32

AAEON Reliability Prediction Report

Part Number 9697C35L00-D
Reference Des
Date 03. 11, 2010
Environment GF, GU - Ground Fixed, Uncontrolled
Temp. (°C) 26.00



Description Top-level assembly
File Name PER-C35L.RPJ
Time 9:07 上午
Failure Rate 1.421110
MTBF 703,675

Part Number	Category	Location	Calculation Model	Quality	Tem. Rise	Quantity	Failure Rate, Unit	Failure Rate, %	MTBF, Unit
1121501690	Capacitor	BC10,BC11,BC12, BC13,BC14,BC15, BC16,BC17,BC18, BC19,BC20,BC21, BC22,BC23,BC24, BC34,BC35,BC36, BC37,BC38,BC39, BC40,BC41,BC42, BC44,BC45,BC46, BC47,BC49,BC50,BC6, BC7,BC8,BC9	Telcordia Issue 1	Level I		34.00	0.004625	11.0650	216222765.25
1121501680	Capacitor	BC2,BC25,BC26,BC28, BC29,BC3,BC30,BC31, BC32,BC33,BC4,BC43, BC48,BC5,BC51,BC52, BC53,BC54,C12	Telcordia Issue 1	Level I		19.00	0.004625	6.1834	216222765.25
1124527080	Capacitor	C36,C37	Telcordia Issue 1	Level I		2.00	0.004625	.6509	216222765.25
1129601080	Capacitor	C1,C19,C22,C23,C26, C29,C30,C34	Telcordia Issue 1	Level I		8.00	0.004625	2.6035	216222765.25
11E9501092	Capacitor	C16,C17,C28,C33	Telcordia Issue 1	Level I		4.00	0.004625	1.3018	216222765.25
11E9522680	Capacitor	C3	Telcordia Issue 1	Level I		1.00	0.004625	.3254	216222765.25
1124510080	Capacitor	C4	Telcordia Issue 1	Level I		1.00	0.004625	.3254	216222765.25
1122722080	Capacitor	C13	Telcordia Issue 1	Level I		1.00	0.004625	.3254	216222765.25
1212308054	Inductor	FB1,FB2	Telcordia Issue 1	Level I		2.00	0.002312	.3254	432445530.49
105A703329	Resistor	R40,R74,R75,R76, R77,R82,R95,R98	Telcordia Issue 1	Level I		8.00	0.002312	1.3018	432445530.49
105A501039	Resistor	R97	Telcordia Issue 1	Level I		1.00	0.002312	.1627	432445530.49
105A700003	Resistor	R1,R12,R18,R20,R37, R46,R51,R64,R67,R9	Telcordia Issue 1	Level I		10.00	0.002312	1.6272	432445530.49
105A708229	Resistor	R13,R15,R31,R42, R43,R71,R72,R73, R81,R83,R84,R86, R99	Telcordia Issue 1	Level I		13.00	0.002312	2.1154	432445530.49
105A704723	Resistor	R11,R48	Telcordia Issue 1	Level I		2.00	0.002312	.3254	432445530.49
1059700001	Resistor	R106,R8	Telcordia Issue 1	Level I		2.00	0.002312	.3254	432445530.49
105A500133	Resistor	R102,R2	Telcordia Issue 1	Level I		2.00	0.002312	.3254	432445530.49
105A708223	Resistor	R24,R25,R39,R41	Telcordia Issue 1	Level I		4.00	0.002312	.6509	432445530.49
105A510003	Resistor	R100,R101,R105,R26, R33,R78,R87,R88, R89,R94	Telcordia Issue 1	Level I		10.00	0.002312	1.6272	432445530.49
105A710009	Resistor	R27,R29,R80	Telcordia Issue 1	Level I		3.00	0.002312	.4882	432445530.49
105A501033	Resistor	R38,R55,R56,R57, R58,R59,R60,R66, R70	Telcordia Issue 1	Level I		9.00	0.002312	1.4645	432445530.49

