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Reliability Prediction Report

Summary of reliability prediction

1. **Date : 2022.05.25**
2. **Prediction item : RS-G10**
3. **Quantity : 1**
4. **Results**

Model	Failure Rate	MTBF
RS-G10	690.060350	1,449,149

- **FITs (Failure unit) = Failures per billion (10^9) hours**

5. **Analysis software and prediction standard**

Software name	Windchill Quality Solutions – Windchill Prediction
Software version	Windchill Risk and Reliability 11.1
Prediction standard	Telcordia SR-332 Issue 4

6. **Calculation Parameters**

- Calculation Method: Telcordia SR-332 Issue 4
- Environment: Ground Fixed, Controlled (GB)
- Operating Temperature: 40℃
- Electronic Stress Ratio: 50% (Voltage, Current, Power)

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windchill
risk and reliability

Reliability Prediction Summary

File Name: RS-G10.rfp
System:
Ref Des:
Description: REALSCAN-G10,V03B

Failure Rate: 690.060350
MTBF (hrs): 1,449,149
Temperature: 40
Environment: GB, GC - Ground Benign, Controlled

Assembly Name	Part Number	Ref Des	Quantity	Failure Rate	MTBF
FD12901-V03B			1	690.060350	1,449,149
HA12901-V03B			1	229.832060	4,351,003
HE12901-V02A			1	26.563523	37,645,609
HS12911-V01A			1	200.914518	4,977,241
HG12901-V01C			1	289.648896	3,452,456

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