Relyence

Reliability Prediction

KEY HIGHLIGHTS

- MIL-HDBK-217, Telcordia, 217Plus
- NSWC Mechanical, NPRD & EPRD
- ANSI/VITA 51.1, China GJB/z 299
- Built-in device libraries
- Intelligent Part Mapping™
- Data import & export
- What-if? trade analysis
- Mission profiles
- Custom Dashboards
- API support
- Cross-analysis integration

• Browser-based interface

Reliability Prediction Analysis

Relyence[®] Reliability Prediction is a powerful tool for performing your MIL-HDBK-217, Telcordia, 217Plus, NSWC Mechanical, ANSI/VITA 51.1, and China's GJB/z 299 reliability predictions, and includes the NPRD/EPRD databases. The impressive reliability prediction platform offers a streamlined front end coupled with an accurate calculation engine. A robust feature set rounds out our best-in-class solution: device libraries, Intelligent Part Mapping, BOM importing, what-if? studies, mission profiles, formula builder, custom reports, graphical dashboards, API functionality, and much more.

Complete MTBF Analysis. Relyence Reliability Prediction supports the worldwide accepted standards for MTBF predictions: MIL-HDBK-217F Notice 2, Telcordia SR-332 Issue 4, 217Plus 2015 Notice 1, NSWC-11 Mechanical, ANSI/VITA 51.1, China's GJB/z 299C, and includes the NPRD/EPRD databases. All facets of the standards are supported, including the full part stress calculations, parts count calculations, hybrid modeling, early life dropout calculations, and the incorporation of laboratory, test, and field data. Relyence Reliability Prediction allows you to extend features from one standard across all, as well as combine standards in one analysis, enabling you to most accurately model your product.

Streamlining Reliability Predictions. Known for our streamlined, rapid data entry and quick, accurate calculations, Relyence Reliability Prediction also enhances efficiency with our built-in component libraries, the ability to directly import BOM data, and *Intelligent Part Mapping*[™] for part recognition. Our built-in library can be augmented with your own component database, and our auto-searching mechanism offers quick access to part data.

Robust Feature Set. Along with full reliability prediction standards support, Relyence Reliability Prediction includes a complete feature set offering a best-in-class solution: powerful library search, default data values, importing and exporting, flexible and customizable reports, mission profile analysis, what-if? studies, formulas for creating your own custom calculations, visual system modeling, and much more. Integration with other tools such as RBD, FMECA, Fault Tree, and FRACAS provides a comprehensive platform.

Dashboard for Reliability Prediction. The Relyence Reliability Prediction Dashboard provides an at-a-glance overview of your reliability prediction related metrics. Combining all the data you need for quick assessment, the Dashboard offers the ability to monitor and manage your reliability predictions with efficiency and effectiveness with a choice of

RELYENCE	0					Drone	e Example				- 6	John Dixon 🕶
ANALYSES	PT Parts Table										6	
Select Dashboard			-									
📥 Drone Example 🔹 🕨	Edit Properties	0	Cance	(Insert * Delete			O Refresh					Basic + To Form
			Tig	Part Number	Category	Subcategory	Туре	Reference	Description	Quantity	Failure Rate,	Feilure Rate
	Motherboard	T					1100	Designator		anonini)	Override	
	GPS	1	1	MIC870A	Integrated Circuit	Microprocessor		U1	Dual core microprocessor	1		9.765668
	- Ground Controller	2		SRAM1031	Integrated Circuit	Memory		SR	60 ns SRAM	1		1.570980
Reliability Prediction		3		VP899011	Integrated Circuit	Logic, CGA		VP	Digital video processor	1		1.559975
		4		MT46H64M16LF	Integrated Circuit	VHSIG/VLSI CMOS		MB	Dynamic random-access	1		0.176116
									memory			
C Revert Example		5		PF243L CB205TR2	Connection Capacitor	Socket Mica	Button (CB)	IC1 CON1	Socket Capacitor	1		0.087606
Galculate		6		MID520V	Miscellaneous	Custom	Bullon (CB)	VC	HD CMOS Video	1		0.100000
Uiew Results		7							Camera: 720p (1280*720) @ 301ps (92*wide angle lens)			
🖨 Report				FXMS3110DR1	Integrated Circuit	Logic, CGA		MM	3-axes magnetometer	1		0.501211 _
🚯 Import/Export 🔹 🕨			0						magnosomotor			
What If?												
🎒 My Parts Library 🔹 🕨												
III My Defaults												
🖋 Analysis Properties 🔹 🕨												
Settings												
												×
	L		_									

customizable widgets. This visual overview enables you to quickly gauge system health, proactively maintain your reliability objectives, and turn insight into action.

Deployment Choice. Relyence Reliability Prediction is built on the Relyence Platform - a highly adaptable, browser-based, mobile-friendly framework designed with today's workplace in mind. Relyence Reliability Prediction can be installed on-premise at your location, hosted in the Microsoft Cloud, or hosted in your own private secure cloud. All platforms offer the same features and functions. The choice is yours!

relyence.com · 724.832.1900

Relyence Reliability Prediction

Reliability Prediction Analysis

Streamlining MTBF analysis with rapid data entry and accurate calculations.



relyence.com · 724.832.1900

Relyence® is a registered trademark of Relyence Corporation. Other brand and product names are trademarks or registered trademarks of their respective holders.