

Reliability of Electronics – Failure rate computation

The goal is to give you a basic understanding of electronic component's Reliability with calculation techniques and tools in order to determine the MTBF of PCB's and electronic products, and inclusion to product design. Prior knowledge of the basic statistical methods will be helpful. Bring a scientific calculator.

WEBINAR: Failure Rate Computation, Electronics

WELCOME and introduction

1. Basics of Failure rate computation

- Terms, concepts and parameters
- Failure modes of electrical components
- Failure rate computation formulas

2. Failure rate computation models and software

- Computation tools used in industry
- FIDES, Parts count and MIL-HDBK-217 methods

3. How to use Failure rate computation in electronics design

- Overview of the most widely used analysis methods

LUNCH

4. Misuse and abuse of Failure rate computation

- Critique and alternatives

5. How to use FIDES calculation tool

- Examples

CONCLUSIONS, discussion

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Price: eur/ team. Included: materials in pdf.

Cancellation latest 1 week before, after that 50 % fee is charged. If the cancellation is not made, the whole fee will be charged.