

Reliability of Electronics – Failure rate computation

Date: 2021
Venue: webinar

The goal of the course is to give the engineers a basic understanding of Reliability of Electronics and calculation techniques and tools to determine the MTBF of electronic products, and how to include them in product design. Prior knowledge of the basic statistical methods will be helpful. **Bring a scientific calculator with you.**

Failure Rate Computation	
9:00	<i>WELCOME and introduction</i>
9:05	1. Basics of Failure rate computation <ul style="list-style-type: none">- Terms, concepts and parameters- Failure modes of electrical components- Failure rate computation formulas
	2. Failure rate computation models and software <ul style="list-style-type: none">- Computation tools used in industry- FIDES, Parts count and MIL-HDBK-217 methods
	3. How to use Failure rate computation in electronics design <ul style="list-style-type: none">- Overview of the most widely used analysis methods
11:30	<i>LUNCH</i>
12:00	4. Misuse and abuse of Failure rate computation <ul style="list-style-type: none">- Critique and alternatives
	5. How to use FIDES calculation tool <ul style="list-style-type: none">- Examples
14:00	<i>CONCLUSIONS, discussion</i>

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

Cancellation: Cancellation latest 1 week before, after that 50 % fee is charged.
A person may be substituted by another. If the cancellation is not made, the whole fee will be charged.