

MTBF Report

Identification Data

Name of device	ICR-4453
Order codes	ICR-4453WS
Sort	LTE Industrial Router
Created, date	Jakub Zikuška, PDE, June 2, 2021
Authorized, date	Radomír Svoboda, DOE, June 2, 2021

Prediction Method

MIL-HDBK-217F-2, parts count

Prediction Data

Temp	25 °C
FR	10523,8 FITS
MTBF	95023 hours, 10,8 years

SF	33 %
MTBF final	285354 hours, 32,6 years

Op. Time T	5 years
Probability R(T)	86 %
R(T) in -25/+55C	63 %

Explanatory Notes

- Temp** – Temperature at reference conditions.
- FR** – Failure rate: It's the rate of product failures expressed as a function of time.
- MTBF** – Mean Time Between Failures is a prediction of a power supply's reliability.
- SF** – Severity factor: Degree of severity in the event of failure.
- MTBF final** – MTBF including Severity factor.
- Op. time T** – Operating time of interest.
- Probability R(T)** – Probability that the product will operate for the Op. time T without a failure.
- R(T) in -25/+55C** – Probability in specified interval.

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