

MTBF Report

Identification Data

| | |
|-------------------------|---------------------------------------|
| Name of device | ICR-2631W |
| Order codes | ICR-2631W |
| Sort | LTE Industrial Router |
| Created, date | Roman Peřura, DME, September 21, 2023 |
| Authorized, date | Petr Hanuš, PME, September 21, 2023 |

Prediction Method

MIL-HDBK-217F-2, parts count

Prediction Data

| | |
|-------------|--------------------------|
| Temp | 25 °C |
| FR | 5096,5 FITS |
| MTBF | 196211 hours, 22,4 years |



| | |
|-------------------|--------------------------|
| SF | 33 % |
| MTBF final | 589223 hours, 67,3 years |

| | |
|-------------------------|---------|
| Op. Time T | 5 years |
| Probability R(T) | 94 % |
| R(T) in -25/+55C | 82 % |

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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