# **AD\ANTECH**

## **MTBF** Report

#### **Identification Data**

Name of device	Smartflex RS232 RS485
Order codes	SR310003xx
Sort	LTE Industrial Router
Created, date	Michal Hašek, DCE, May 25, 2023
Authorized, date	Petr Hanuš, PME, May 25, 2023

#### **Prediction Method**

MIL-HDBK-217F-2, parts count

#### **Prediction Data**

Temp	25 °C
FR	7747,0 FITS
MTBF	129082 hours, 14,7 years

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SF MTBF final 33 % 387634 hours, 44,3 years

Op. Time T	5 years
Probability R(T)	89 %
R(T) in -25/+55C	71 %

### **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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