

MTBF Report

Identification Data

Name of device SmartFlex RS232 RS485 ETH

Order codes SR308004xx

Sort LTE Industrial Router

Created, date Roman Petura, PDE, May 29, 2018
Authorized, date Jan Otte, DOE, May 29, 2018

Prediction Method

MIL-HDBK-217F-2, parts count

Prediction Data

Temp 25 °C

FR 8407.4 FITS

MTBF 118943 hours, 13.6 years

SF 33 %

MTBF final 357187 hours, 40.8 years

 Op. Time T
 5 years

 Probability R(T)
 88 %

 R(T) in -25/+55C
 69 %

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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