MTBF Report

Identification Data

Name of device	SmartFlex RS232 RS485 ETH PD
Order codes	SR305094xx
Sort	LTE Industrial Router
Created, date	Jan Svoboda, VPTO, September 14, 2016
Authorized, date	Jan Otte, VTO, September 14, 2016

Prediction Method

MIL-HDBK-217F-2, parts count

Prediction Data

Temp	25 °C
FR	9168.9 FITS
MTBF	109065 hours, 12.5 years
SF	33 %
MTBF final	327522 hours, 37.4 years
Op. Time T	5 years
Probability R(T)	87 %
R(T) in -25/+55C	67 %

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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