MTBF Report

Identification Data

Name of device	SmartStart SL304
Order codes	SL304101xx
Sort	LTE Industrial Router
Created, date	Jan Svoboda, VPTO, September 26, 2016
Authorized, date	Jan Otte, VTO, September 26, 2016

Prediction Method

MIL-HDBK-217F-2, parts count

Prediction Data

Temp	25 °C
FR	6322.1 FITS
MTBF	158174 hours, 18.1 years
SF	33 %
MTBF final	474998 hours, 54.2 years
Op. Time T	5 years
Probability R(T)	91 %
R(T) in -25/+55C	76 %

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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