

MTBF Report

Identification Data

Name of device	RR-75i-v2
Order codes	RR-75i-v2F
Sort	GSM-R Industrial Router
Created, date	Petr Sklenář, PDE, December 11, 2019
Authorized, date	Jan Otte, DOE, December 11, 2019

Prediction Method

MIL-HDBK-217F-2, parts count

Prediction Data

Temp	25 °C
FR	6541.3 FITS
MTBF	152876 hours, 17.5 years

SF	33 %
MTBF final	459087 hours, 52.4 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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