

MTBF Report

Identification Data

Name of device	CR 10 v2
Order codes	CR 10 v2B ETH
Sort	CDMA Industrial Router
Created, date	Roman Petura, PDE, January 24, 2020
Authorized, date	Jan Otte, DOE, January 24, 2020

Prediction Method

MIL-HDBK-217F-2, parts count

Prediction Data

Temp	25 °C
FR	6491.1 FITS
MTBF	154057 hours, 17.6 years

SF	33 %
MTBF final	462633 hours, 52.8 years

Op. Time T	5 years
Probability R(T)	91 %
R(T) in -25/+55C	75 %

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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