

MTBF Report

Identification Data

Name of device	ICR-2734
Order codes	ICR-2734W(P)(Axx)
Sort	LTE Industrial Router
Created, date	Roman Peřura, DME, October 23, 2023
Authorized, date	Eduard Doskočil, HME, October 23, 2023

Prediction Method

MIL-HDBK-217F-2, parts count

Prediction Data

Temp	25 °C
FR	6875,1 FITS
MTBF	145452 hours, 16,6 years



SF	33 %
MTBF final	436794 hours, 49,9 years

Op. Time T	5 years
Probability R(T)	90 %
R(T) in -25/+55C	74 %

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.

This document is know-how of the Advantech Czech s.r.o. company. It may not be handed over to third person or abuse without permit.