ADVANTECH

MTBF Report

Identification Data

Name of device	ICR-2701
Order codes	ICR-2701
Sort	LAN Industrial Router
Created, date	Jakub Zikuška, PDE, January 20, 2022
Authorized, date	Radomír Svoboda, DOE, January 20, 2022

Prediction Method

MIL-HDBK-217F-2, parts count

Prediction Data

Temp	25 °C
FR	4173,7 FITS
MTBF	239593 hours, 27,4 years
SF	33 %
MTBF final	719498 hours, 82,1 years
Op. Time T	5 years
Probability R(T)	94 %
R(T) in -25/+55C	83 %

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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