

Quarterly Reliability Monitoring Results

Quarters: Q1/2022 to Q4/2023

Based on structural similarity

see below
see below
see below
see below
see below
0
0
0
0
0
0
0
0
0
0
0

^[1] The physical limitations of Schottky diodes have to be considered (thermal runaway).

Calculation of FIT and MTTF

Test considered for FIT calculation: High Temperature Reverse Bias (HTRB, Test #B1) Confidence level 60%, derated to 55 °C, activation energy 0.7 eV, test time 168 to 1000 hours

Wafer Fab	Technology	Quantity	Rejects	Failure Rate (FIT)	MTTF (hrs)
Nexperia					
DHAM	Schottky	9320	0	0,46	2,19E+09

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^[2] The maximum applied voltage is limited by test chamber set up and does not exceed 115V.