nexperia

Quarterly Reliability Monitoring Results

Quarters: Q1/2022 to Q4/2023 Based on structural similarity

# Lots see below	# Quantity all parts	# Rejects
		# Rejects
see below	all parts	
see below	all parts	
see below	all parts	
		see below
1514	64430	0
250	11400	0
250	11400	0
4.4	1020	0
44	1920	0
211	14090	0
511	14000	0
311	14080	0
311	14080	0
312	14120	0
269	8070	0
19	6660	0
	312 269	250 11400 44 1920 311 14080 311 14080 311 14080 311 14080 269 8070

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

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

2,68E+09
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