nexperia

Quarterly Reliability Monitoring Results

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

er ation #Lo see l		# Rejects
ation # Lo		# Rejects
ation # Lo		# Rejects
		# Rejects
		# Rejects
see l	alow all parts	
see l		
see l	all parts	
	Jelow all parts	see below
ours		
hours		
cles 1514	64430	0
hours 250	11400	0
hours 44	1920	0
	4 4 9 9 9	•
cycles 311	14080	0
ours 311	14080	0
hours 311	14080	0
	11000	-
hours 312	14120	0
	1.120	
269	8070	0
200		-
19	6660	0
	hours 1512 hours 250 hours 44 cycles 311 ours 311 hours 312 269	hours 1514 64430 hours 250 11400 hours 44 1920 hours 311 14080 hours 311 14080 hours 311 14080 hours 311 14080 hours 312 14120 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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