



**Reliability Report
(Q2019-013)**

**IX4310T Product Qualification
5A, 18V Gate Driver
Vanguard (VIS) Process 0.25 μ m HV, 18V
Custom Process, New Leadframe, Die Attach,
Package**

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Summary

The IX4310T product has successfully passed IXYS ICD's requirements for product qualification.

Table 1: Device Information

Product Number	IX4310T
Package Type	5L SOT23
Assembly Site	Greatek, Taiwan
Test Site	Greatek, Taiwan

Table 2: Reliability Test Result

Stress Test	Stress Conditions	Applicable Specs	Product/Package	Sample Size (SS)	# of Failures
Temperature Cycle	-55 to 125°C, 10/10 dwells, 300 cycles	Mil-Std-883, M1010, "B"	IX4310T GE0124	55	0
			IX4310T GE0125	55	0
			IX4310T GE0126	54	0
Hot Storage	125C, 1000 hrs	JESD22-A103-C	IX4310T GE0124	50	0
			IX4310T GE0125	50	0
			IX4310T GE0126	50	0
MSL	IR Reflow, Level 1	J-STD-020D.1	IX4310T GE0124	25	0
			IX4310T GE0125	25	0
			IX4310T GE0126	25	0

Table 3: ESD Results

Stress Test	Stress Conditions	Applicable Specs	Product/Package	Highest Passed	Class
HBM	All Pins, 1.5kΩ, 100pF	JS-001-2017	IX4310T GE0124	+/-2000V	2

Approvals

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