

Reliability Summary Report

Product Type: 64GB uSD

Capacity	Part Number
64GB	KTUDCGP2AKIT1

1. Product Information

Product No.	Dimensions	JEDEC Standard
KTUDCGP2AKIT1	11 x 15 x 1 mm	SD v6.1

2. Test Summary

Product Test Result				
<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL				
	Test Items	Test Results		Notes
1	Performance	<input checked="" type="checkbox"/> PASS	<input type="checkbox"/> FAIL	
2	Electrical Performance	<input checked="" type="checkbox"/> PASS	<input type="checkbox"/> FAIL	
3	Reliability	<input checked="" type="checkbox"/> PASS	<input type="checkbox"/> FAIL	

3. Performance

3.1. Crystal-Disk Mark Benchmark V5.0.2

Capacity	Sequential (Q32T1)		Random 4KB (Q32T1)		Sequential		Random 4KB	
	Read	Write	Read	Write	Read	Write	Read	Write
64GB	90.55	52.33	6.315	4.118	95.43	48.87	6.285	4.107

(Unit : MB/s)

3.2. TestMetrix_Performance

Drive	Configuration	Sequential Read (MB/s)	Sequential Write (MB/s)
64GB	SDR104 (UHS-I, 1.8V, 208MHz)	95	50

(1) Performance measured using Testmetrix VTE-4100.

4. Electrical Performance

4.1. Power Consumption

Parameter	64GB	Unit
Read Current	95	mA
Write Current	80	mA
Idle Current	100	μA

(1) Current measured using Testmetrix VTE-4100, SDR104 mode.

5. Reliability

Test Item	Test Reference	Sample Size	Test Result
High Temperature Storage Test	IEC 60068-2-2	5	Pass
High Temperature Operation Test	IEC 60068-2-2	5	Pass
Low Temperature Storage Test	IEC 60068-2-1	5	Pass
Low Temperature Operation Test	IEC 60068-2-1	5	Pass
Temperature & Humidity Storage Test	IEC 60068-2-3	5	Pass

Test Item	Test Reference	Sample Size	Test Result
Temperature & Humidity Operation Test	IEC 60068-2-3	5	Pass
Temperature Cycling Storage Test	IEC 60068-2-14	5	Pass
Temperature Cycling Operation Test	IEC 60068-2-14	5	Pass
Bending Test	SDA SPEC.	5	Pass
Torque Test	SDA SPEC.	5	Pass
Drop Test	SDA SPEC.	5	Pass
Vibration Test	IEC 60068-2-6	5	Pass
Durability Test	EIA 364-13	5	Pass
Salt Spray Test	MIL STD-883 Method 1009	5	Pass
Mechanical Shock Test	IEC 60068-2-27	5	Pass
Waterproof Test	IEC 60529	5	Pass
X-Ray Exposure Test	ISO 7816-1	5	Pass