	義隆電子股份有限公司 產品可靠性驗證報告	文件編號	
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EKTA0200 CDM Test Report

Document No : ESD02200519-001

Date : 2022/05/19

Customer information

Company :

Address :

Purpose

Charge Device Model (CDM): A specified circuit characterizing an ESD event that occurs when a device acquires charge through some triboelectric (frictional) or electrostatic induction processes and then abruptly touches a grounded object or surface.

Conclusion

EKTA0200 CDM Test results :

PASS (+) 1000V / (-) 1500V

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1. General information

1.1 Description of Testing Samples

Product No : [EKTA0200 \(WLCSP28\)](#)

1.2 Execute Laboratory

Experiments execute by QRA department of ELAN and the qualified unit (ITRI).

1.3. Test Instrument

Hanwa HED-C5000

1.4. Method

Field-Induced Charge Device Model (CDM), refer to JESD22-C101E.

- 3EA for each level.
- Voltage level: From $\pm 500\text{V}$ to $\pm 2000\text{V}$, step $\pm 250\text{V}$.
- Owing to the Elan's criterion is CLASS III (500 to 1000 Volts)

1.5. Test circuit

A schematic for the CDM test circuit is shown in Figure 1.

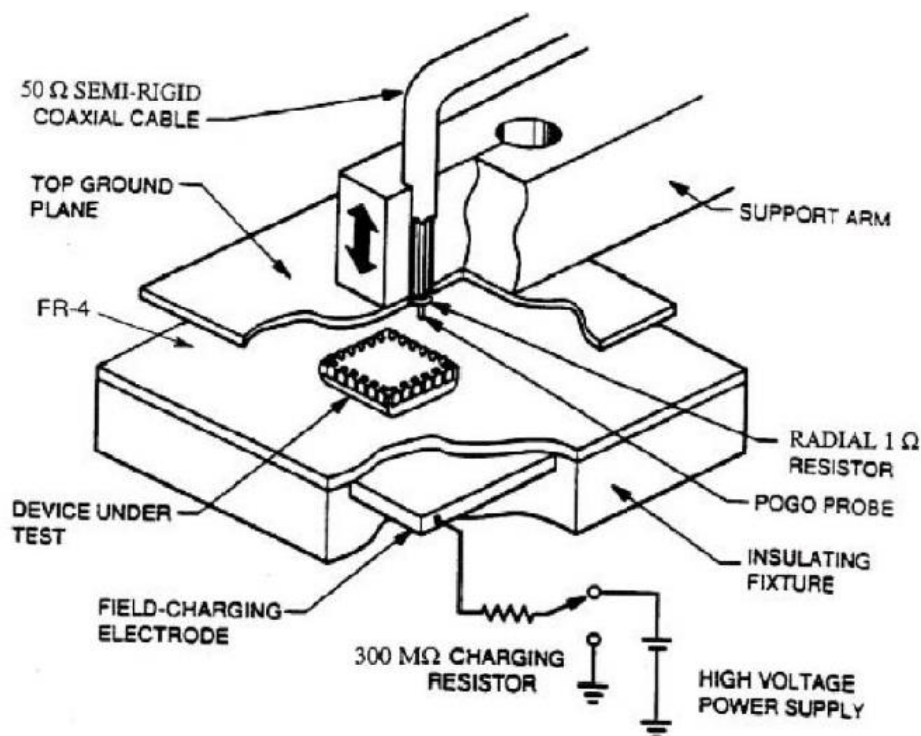



Figure 1 – Field induced CDM simulator

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2. Test Result

2.1 ESD CDM model:

(Unit: Volt)

Test Mode	PASS ESD level			Remark
	Sample1	Sample2	Sample3	
Positive	1000	1000	1000	
Negative	1500	1500	1500	

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