



宜特科技股份有限公司



Integrated Service Technology Inc.

No.:T1091

TEL : (02) 2656-2289

TRA No: 9401547-E

FAX : (02) 2656-2285

Date : 06/20/2005

Email: esd@isti.com.tw

Test Site Address: 1F,No. 9, Alley 2, Lane 35, Jihu Rd., NeiHu District, Taipei City, Taiwan, R.O.C.

可靠度測試報告

RELIABILITY TEST REPORT

Applicant/Department: Anant Electronics Corporation	
Address : 6F , No.56 , Ln.258 Jui Kuang Rd. , Nei Hu District , Taipei , Taiwan	
Product : SDN8000G	
Testing Item : ESD-HBM	Package/Pin Count: QFP-100
Application Date : 06/17/2005	Date Finished : 06/20/2005
Test Method : MIL-STD-883E Method 3015.7	
Failure Criteria : FOR V CHANGE AT 1 μ A \pm 30%	
Test Voltage : 3000V~4000V(\pm) , Step : 1000V(\pm)	

Testing Item	
Random ESD-HBM Test.....	P2

Remark:

This report refers only to the specimen submitted to testing, and be invalid as separately used.

Testing Engineer: Nelly Hsueh	
Report Review: Kosa Liu	Laboratory Head: Frank Wu



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ESD-HBM Testing Report

Test Equipment:

KEYTEK ZAPMASTER

Environmental Condition of Laboratory:

Temperature: 25°C±5°C

Humidity: 55%±10% RH

Test Condition:

GND (+)

GND (-)

VDD(+)

VDD (-)

VDD- GND (+)

VDD- GND (-)

Test Result:

MODEL: HBM	ESD SENSITIVITY PASS :±4000V		V CLASS: <u>3</u>
PIN COMBINATION	SAMPLE SIZE	PASSED VOLTS	NOTE:
GND (+)	3	+4000V	FOR MIL-STD CLASS1: 0V-1999V CLASS2: 2000V-3999V CLASS3: 4000V-TO ABOVE
GND (-)	3	-4000V	
VDD(+)	3	+4000V	
VDD (-)	3	-4000V	
VDD- GND (+)	3	+4000V	
VDD- GND (-)	3	-4000V	

ALL:1-80,82,85-87,89,91,94-98
GND:84,92

VDD:90

GND (+)				
		(UNIT:V)		
Test Pin	FAIL VOLTAGE	#1	#2	#3
1		PASS	PASS	PASS
2		PASS	PASS	PASS
3		PASS	PASS	PASS
4		PASS	PASS	PASS
5		PASS	PASS	PASS
6		PASS	PASS	PASS
7		PASS	PASS	PASS
8		PASS	PASS	PASS
9		PASS	PASS	PASS
10		PASS	PASS	PASS
11		PASS	PASS	PASS
12		PASS	PASS	PASS
13		PASS	PASS	PASS
14		PASS	PASS	PASS
15		PASS	PASS	PASS
16		PASS	PASS	PASS
17		PASS	PASS	PASS
18		PASS	PASS	PASS
19		PASS	PASS	PASS
20		PASS	PASS	PASS
21		PASS	PASS	PASS
22		PASS	PASS	PASS
23		PASS	PASS	PASS
24		PASS	PASS	PASS
25		PASS	PASS	PASS
26		PASS	PASS	PASS
27		PASS	PASS	PASS
28		PASS	PASS	PASS
29		PASS	PASS	PASS
30		PASS	PASS	PASS
31		PASS	PASS	PASS

		GND (+)		
		(UNIT:V)		
Test Pin	FAIL VOLTAGE	#1	#2	#3
32		PASS	PASS	PASS
33		PASS	PASS	PASS
34		PASS	PASS	PASS
35		PASS	PASS	PASS
36		PASS	PASS	PASS
37		PASS	PASS	PASS
38		PASS	PASS	PASS
39		PASS	PASS	PASS
40		PASS	PASS	PASS
41		PASS	PASS	PASS
42		PASS	PASS	PASS
43		PASS	PASS	PASS
44		PASS	PASS	PASS
45		PASS	PASS	PASS
46		PASS	PASS	PASS
47		PASS	PASS	PASS
48		PASS	PASS	PASS
49		PASS	PASS	PASS
50		PASS	PASS	PASS
51		PASS	PASS	PASS
52		PASS	PASS	PASS
53		PASS	PASS	PASS
54		PASS	PASS	PASS
55		PASS	PASS	PASS
56		PASS	PASS	PASS
57		PASS	PASS	PASS
58		PASS	PASS	PASS
59		PASS	PASS	PASS
60		PASS	PASS	PASS
61		PASS	PASS	PASS

		GND (+)		
		(UNIT:V)		
Test Pin	FAIL VOLTAGE	#1	#2	#3
62		PASS	PASS	PASS
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85		PASS	PASS	PASS
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87		PASS	PASS	PASS
89		PASS	PASS	PASS
91		PASS	PASS	PASS
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97		PASS	PASS	PASS
98		PASS	PASS	PASS

		GND (-)		
		(UNIT:V)		
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1		PASS	PASS	PASS
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		VDD (+)		
		(UNIT:V)		
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VDD-GND(+)				(UNIT: V)
Test Pin	FAIL VOLTAGE	#1	#2	#3
90		PASS	PASS	PASS

VDD-GND (-)				(UNIT: V)
Test Pin	FAIL VOLTAGE	#1	#2	#3
90		PASS	PASS	PASS