Report No.：HS1003040086A
RA No .：9900741-E
Version：A

ESD (HUMAN BODY MODE) TEST REPORT

Company ：SYNC POWER CORP

Model Name ：SPE0505

Date Received ：MAR 04, 2010

Date Tested ：MAR 05, 2010

TESTING LABORATORY IS ACCREDITED BY:

IEC/IECQ 17025 certificate of independent test laboratory approval

Certificate No.：T1091

ISO 9001 certificate is approved by TUV CERT certification body of TUV NORD Cert GmbH

WE HEREBY CERTIFY THAT:

The test(s) shown in the attachment were conducted according to the indicating procedures. We assume full responsibility for the accuracy and completeness of these tests and vouch for the qualifications of all personnel performing them.

	Name	Signature	Date
Test Engineer	Jay Fang	Reliability Test Engineer Jay Fang	MAR 04, 2010
Section Manager	Even Lin	Reliability Test Engineer Even Lin	MAR 05, 2010

Note：

1. This report will be invalid if reproduced in whole or in part.
2. This report refers only to the specimen(s) submitted to test, and is invalid if used separately.
3. This report is ONLY valid with the examination seal and signature of this institute.
4. The tested specimen(s) will only be preserved for thirty days from the date issued, if not collected by the applicant.

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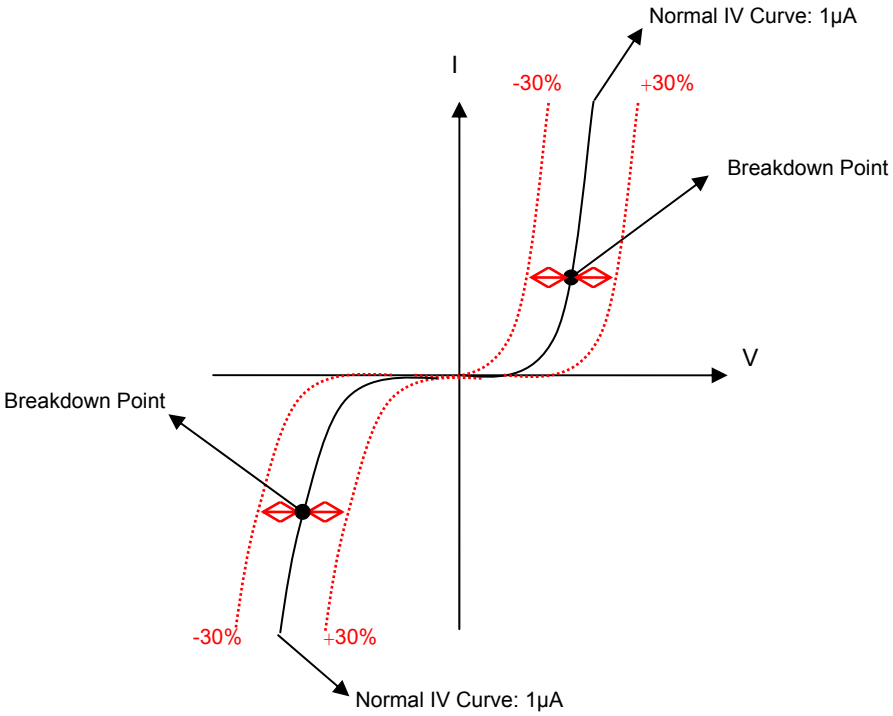
1. GENERAL INFORMATION

1.1 DESCRIPTION OF UNIT

MANUFACTURER	: SYNC POWER CORP
DEVICE NAME	: SPE0505
PACKAGED / PIN COUNT	: SOT-23-6
REFERENCE DOCUMENT	: MIL-STD-883G Method 3015.7
TEST VOLTAGE	: 500V ~ 8000V (±), Step: 500V (±)
SAMPLE QUANTITY	: 10 ea
FAILURE CRITERIA	: FOR V CHANGE AT 1μA ±30%

※ Failure Judgment: IV curve shift over 1μA±30% at breakdown point.



2. ESD (HUMAN BODY MODE) TEST

2.1 TEST EQUIPMENT

Test Equipment	Equipment Number	Tester
KEYTEK ZAPMASTER	#11	09021

2.2 LABORATORY AMBIENCE CONDITION

Temperature：23±5°C
Relative humidity：55%10% (RH)

2.3 REFERENCE DOCUMENT

The test is based on MIL-STD-883G Method 3015.7

2.4 TEST CONDITION

ALL – PIN2 (+)
ALL – PIN2 (-)

2.5 SUMMARY OF TEST

Test Model : HBM	**ESD Sensitivity Passed : ±8000V**		**MIL-STD Classification Class : 3B**
Test condition	Sample Quantity	Passed Volts	Class 0 : ＜ 250V.
ALL – PIN2 (+)	5	+8000V	Class 1A : ≧ 250V , ＜499V Class 1B : ≧ 500V , ＜999V Class 1C : ≧ 1000V , ＜1999V
ALL – PIN2 (-)	5	-8000V	Class 2 : ≧ 2000V , ＜3999V Class 3A : ≧ 4000V , ＜7999V Class 3B : ≧ 8000V

ALL:1,5-6 PIN2:2

2.6 CONTENTS OF TEST

ALL – PIN2 (+) (UNIT: V)						
Test Pin	FAIL VOLTAGE	#1	#2	#3	#4	#5
1		PASS	PASS	PASS	PASS	PASS
5		PASS	PASS	PASS	PASS	PASS
6		PASS	PASS	PASS	PASS	PASS

ALL – PIN2 (-) (UNIT: V)						
Test Pin	FAIL VOLTAGE	#1	#2	#3	#4	#5
1		PASS	PASS	PASS	PASS	PASS
5		PASS	PASS	PASS	PASS	PASS
6		PASS	PASS	PASS	PASS	PASS