



# 宜特科技股份有限公司



## Integrated Service Technology Inc.

TEL : (03) 578-2266

RA No: 9402189- E

FAX : (03) 578-2299

Date : 08/19/2005

Email: esd@isti.com.tw

Test Site Address: 1F, No.22, Pu-Ding Rd., Hsin-Chu, Taiwan, R.O.C.

### 可靠度測試報告

### RELIABILITY TEST REPORT

|  |                                       |
|--|---------------------------------------|
| <b>Applicant/Department:</b> 擎力科技股份有限公司                |                                       |
| <b>Address</b> : 台北市南港區園區街 3-2 號 9F-5                  |                                       |
| <b>Product</b> : SPE0505                               |                                       |
| <b>Testing Item</b> : ESD-HBM                          | <b>Package/Pin Count:</b> SOT-23 / 6L |
| <b>Application Date</b> : 08/18/2005                   | <b>Date Finished</b> : 08/19/2005     |
| <b>Test Method</b> : MIL-STD-883F Method 3015.7        |                                       |
| <b>Failure Criteria</b> : FOR V CHANGE AT 1μA ±30%     |                                       |
| <b>Test Voltage</b> : 1000V~8000V (±) , Step: 1000V(±) |                                       |

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

**Remark:**

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

|   |  |
|---|--|
| <b>Testing Engineer:</b> Reliability Test Engineer<br><i>Evon Lin</i> |  |
| <b>Report Review:</b> Reliability Test Engineer<br><i>Kosa Lin</i>    | <b>Laboratory Head:</b> Manager<br><i>Frank Wu</i> |



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### ESD-HBM Testing Report

**Test Equipment:**

KEYTEK ZAPMASTER #8-6098

**Environmental Condition of Laboratory:**

Temperature: 25° C ±5°C  
 Humidity: 55%±10% RH

**Test Condition:**

PIN1,5,6 GND (+)  
 PIN1,5,6 GND (-)

**Test Result:**

|                    |                                      |              |  |
|--------------------|--------------------------------------|--------------|--|
| MODEL: HBM         | ESD SENSITIVITY PASS : <b>±8000V</b> |              | V CLASS: <b>3</b>  |
| PIN COMBINATION    | SAMPLE SIZE                          | PASSED VOLTS | <b>NOTE:</b><br>FOR MIL-STD<br>CLASS1: 0V-1999V<br>CLASS2: 2000V-3999V<br>CLASS3: 4000V-TO ABOVE |
| PIN1,5,6 - GND (+) | 1                                    | +8000V       |  |
| PIN1,5,6 - GND (-) | 1                                    | -8000V       |  |

GND:2

| PIN1,5,6 GND (+) (UNIT: V) |              |      |  |          |              |      |
|----------------------------|--------------|------|--|----------|--------------|------|
| Test Pin                   | FAIL VOLTAGE | #1   |  | Test pin | FAIL VOLTAGE | #1   |
| 1                          |              | PASS |  | 6        |              | PASS |
| 5                          |              | PASS |  |          |              |      |

| PIN1,5,6 GND (-) (UNIT: V) |              |      |  |          |              |      |
|----------------------------|--------------|------|--|----------|--------------|------|
| Test Pin                   | FAIL VOLTAGE | #1   |  | Test pin | FAIL VOLTAGE | #1   |
| 1                          |              | PASS |  | 6        |              | PASS |
| 5                          |              | PASS |  |          |              |      |