



**TEST REPORT
FOR
IEC 61000-4-5 (SURGE IMMUNITY)**


Report No.: 13-02-MAS-038-01

Client:	JD Auspice Co., Ltd
Product:	Type 1 & Type 2 Surge Protection Device
Model:	JDA-E50/M-S/5M-180
Comment Issues:	Reference Annex A
Manufacturer/supplier:	JD Auspice Co., Ltd

Date test item received:	2013/02/07
Date test campaign completed:	2013/02/07
Date of issue	2013/02/07

The test result only corresponds to the tested sample. It is not permitted to copy this report, in part or in full, without the permission of the test laboratory.

Total number of pages of this test report: 7 pages

Test Engineer  Falcon Shi	Checked By  Kevin Lin
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Laboratory Introduction: Electronics Testing Center, Taiwan is recognized, filed and mutual recognition arrangement as following:

- ① ISO9001: TÜV Product Service
- ② ISO/IEC 17025: BSMI, TAF, NCC, NVLAP, CCIBLAC, UL, Compliance
- ③ Filing: FCC, Industry Canada, VCCI
- ④ MRA: Australia, Hong Kong, New Zealand, Singapore, USA, Japan, Korea, China, APLAC through NCC
- ⑤ FCC Registration Number: 90588, 91094, 91095



SURGE IMMUNITY TEST DATA

Test Date : Feb. 07, 2013

Test Specification	IEC 61000-4-5		
Test Equipment	Calibration Date	Recommended Recal. Date	
Lightning Surge Simulator \ Noiseken \ LSS-15AX	Feb. 29, 2012	Feb. 28, 2013	
Climatic Condition	Ambient Temperature: <u>21</u> °C		Relative Humidity: <u>58</u> %RH
	Atmospheric Pressure: <u>998</u> mbar		
Power Supply System	AC Power: <u>254</u> Vac <u>60</u> Hz		
Operating Conditions of The Device	Power on		

Waveform: 1.2/50 μ s(8/20 μ s)			Repetition rate: <u>60</u> sec		Times: <u>5</u> times/each condition	
\Voltage \Mode \Polarity \Phase \Result			0°	90°	180°	270°
6.0kV	L ₁ -L ₂	+	A	A	A	A
		-	A	A	A	A
	L ₁ -N	+	A	A	A	A
		-	A	A	A	A
	L ₁ -PE	+	A	A	A	A
		-	A	A	A	A
	L ₂ -N	+	A	A	A	A
		-	A	A	A	A
	L ₂ -PE	+	A	A	A	A
		-	A	A	A	A

Result:	<input checked="" type="checkbox"/> Complied	<input type="checkbox"/> Does not comply
Criterion Required:	<u>B</u>	Criterion Met: <u>A</u>

Note: "A" means the EUT continued to operate as intended. No degradation of performance or loss of function was allowed below a performance level specified by the manufacturer, when the EUT was used as intended.