

Report No.: 13-05-MAS-161 EMC TESTING DEPARTMENT Page: 1/9



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

Report No.: 13-05-MAS-161

Client: JD Auspice Co., Ltd
Product: Surge Protection Device

Model: JDA-PV100/1000-MVCDR,MVGTCR,MVGTCDR

Comment Issues: Reference Annex B
Manufacturer/supplier: JD Auspice Co., Ltd

Date test item received: 2013/05/21
Date test campaign completed: 2013/05/27
Date of issue 2013/05/27

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: 9 pages心中驗檢予電

Test Engineer

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Laboratory Introduction: Electronics Testing Center, Taiwan is recognized, filed and mutual recognition arrangement as following:

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

Report No.: 13-05-MAS-161 EMC TESTING DEPARTMENT Page: 2/9

SURGE IMMUNITY TEST DATA

Model: PV60 Series & PV100 Series Test Date: May 22, 2013

Test Specification	IEC 61000-4-5						
Test Equipment		Calibration Date		Recommended Recal. Date		ecal. Date	
Lightning Surge Simulatorm \ Noiseken \ LSS-15AX		Feb. 2	Feb. 28, 2013		Feb. 27, 2014		14
Climatic Condition	Ambient Temperatu	re: <u>26</u>	°C	Relative	Humidity:	<u>64</u>	%RH
	Atmospheric Pressure: 998 mbar						
Power Supply System	DC power: 100Vdc						
Operating Conditions of The Device Op		peration					

Waveform: 1.2/	/50 μ s(8/20 μ s)	Repetition rate: 60 sec		sec Times: 5 times/each condition
		\Phase \Voltage \Mode \Polarity \Result		NON-SYN
6.0KV SURGE		+	+ Pos Neg.	A
		_		A
	+	Pos. – PE	A	
	_		A	
		+	Neg. – PE	A
		_		A

Result:	Complied	☐ Does not comply	
Criterion Required:	<u>B</u>	Criterion Met:	<u>A</u>

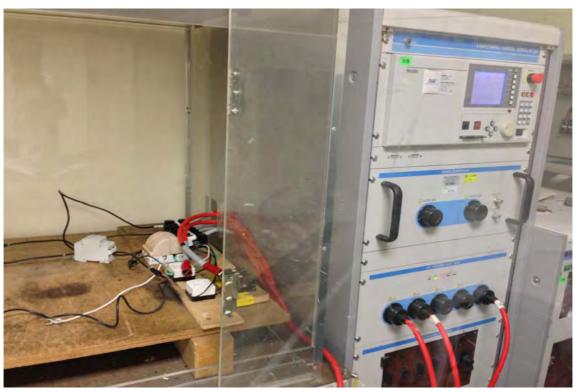
Note: "A" means the EUT continued to operate as intended. No degradation of performance or loss of function was allowed below a performance level specified by the manufacturer, when the EUT was used as intended.



Report No.: 13-05-MAS-161 EMC TESTING DEPARTMENT Page: 3/9

SURGE IMMUNITY TEST SETUP PHOTO

Model: PV60 Series



Model: PV100 Series





Report No.: 13-05-MAS-161 EMC TESTING DEPARTMENT Page: 4/9

ANNEX A: PHOTOS

Model: PV60 Series







Report No.: 13-05-MAS-161 EMC TESTING DEPARTMENT Page: 5/9

Model: PV100 Series





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Report No.: 13-05-MAS-161 EMC TESTING DEPARTMENT Page: 6/9

ANNEX B: DIFFERENCE INFORMATIONS OF SERIES MODEL

DIFFERENCE INFORMATIONS OF SERIES MODEL

- Test Model (Main Model): JDA-PV100/1000-MVCDR, MVGTCR, MVGTCDR
- Test Model (Series Model): <u>IDA-PV&&&/xxxx -MVCDR,MVGTCR,MVGTCDR</u>, &&=050.060,080.100; xxxx=0500, 0600, 0750,1000,1200
- The Model without test (Series Model):

The Difference Information:

Model No.	Main Model:	Series Model:	Series Model:	Series Model:	Series Model:
Difference	JDA-PV100/1000 &&&=100, xxxx=1000,	JDA-PV&&&/xxxx, &&&=050;060,080,100, xxxx=0500,0600, 0750,1000,1200			
PCB Layout and The Circuit Diagram	as picture	0			
Components	MVCDR	O			
Material	plastic	0			12-7-2
Function	Surge protection	0			
Shape & Color	Regutanguklo R:grey	o			
Other	1000V	Different voltage			

Notes: (1) "O" means the item is same with Main model.

(2) " X "means the item is different with main model. And please explain it.

Remark: 1. The multiple listing recognized without test basis is according to information supplied by manufacturer.

2 The manufacturer or supplier's quality system shall ensure that the tested model or apparatus is representative of the series-produced apparatus concerned.

Manufacturer / Supplier

Company Name: JD Auspice Co., Ltd

Signature : Dork Han

Name : stella Date : 2013.05.21

Report No.: 13-05-MAS-161 EMC TESTING DEPARTMENT Page: 7/9

Enclosure Type SPD

TyssPro M(Coding method)

PV SPD

PV&&&/xxxx-MVCDR

PV---Photo Voltaic

&&& - Max, discharge current Imax (8/20)

xxxx --- Max. continuous operating voltage Uc

MV--- Metal Oxide Varistor Module

C---Common mode

D--- Differential mode

R--- With remote Signal

PV&&&/ xxxx -MVGTCDR

PV--Photo Voltaic

&&& -- Max. discharge current Imax (8/20)

xxxx -- Max. continuous operating voltage Uc

MVGT--- Metal Oxide Varistor & Gas Discharge Tube in series

C-Common mode

D--- Differential mode

R--- With remote Signal



Report No.: 13-05-MAS-161 EMC TESTING DEPARTMENT Page: 8/9

List of series:

Report No.: 13-05-MAS-161

EMC TESTING DEPARTMENT

Page: 9/9

PV80/750-MVCDR	
PV80/750-MVGTCDR	
PV80/1000-MVCDR	
PV80/1000-MVGTCDR	
PV80/1200-MVCDR	
PV80/1200-MVGTCDR	
PV100/500-MVCR	
PV100/500-MVCDR	
PV100/500-MVGTCR	
PV100/500-MVGTCDR	
PV100/600-MVCR	
PV100/600-MVCDR	
PV100/600-MVGTCR	
PV100/600-MVGTCDR	
PV100/750-MVCR	
PV100/750-MVCDR	
PV100/750-MVGTCR	
PV100/750-MVGTCDR	
PV100/1000-MVCDR	
PV100/1000-MVGTCDR	
PV100/1200-MVCDR	
PV100/1200-MVGTCDR	