



America

CERTIFICATE

No. U8V 107546 0007 Rev. 00

Holder of Certificate: **American Power Design, Inc.**
3 Industrial Dr. Unit 8
Windham NH 03087
USA

Certification Mark:



Product: Audio/Video, Information and Communication technology equipment
HV DC-DC Converter

This product was voluntarily tested to the relevant safety requirements referenced on this certificate. It can be marked with the certification mark above. The mark must not be altered in any way. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC 17067. Certification is based on the TÜV SÜD "Testing and Certification Regulations". TÜV SÜD America Inc. is an OSHA recognized NRTL and a Standards Council of Canada accredited Certification body.

Test report no.: 72158968-000

Date, 2021-04-15



(Glenn H. McLaughlin)

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Model(s): F15 and F112 series

Brand Name: APD

Tested according to: CAN/CSA-C22.2 No. 62368-1:2014
UL 62368-1:2014
EN 62368-1:2014/A11:2017

Parameters: F15-P200/Y, F112-P200/Y

Rated Input Voltage: 5 VDC or 12 V DC
Rated Input Current: 550mA max at 5 VDC
220mA max at 12 VDC
Rated Output Voltage: +/- 2000Vdc max
Rated Output Power: 1 Watt max
Degree of Protection: IPX0

Additional Application Considerations

For Building-in (ES1 to be evaluated in End Use System)

Input Voltage: 5Vdc / 12Vdc

Inline Fuse recommendation: 5Vdc @1A, 12Vdc @ 0.5A

Temperature (Operating, Case) 60°C

To be mounted on minimum V-1 flame rated board (End User consideration)

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F Series				
1 WATT Maximum Power				
Dimensions 25.4mm x 44.45mm x 12.7mm @ 0.037 kg				
Input Voltage: 5Vdc / 12Vdc				
Output Voltages from 0V to +/- 2000VDC				
Specification Sheet				
5Vdc Models		Input Current	Output Specifications	
Non-RoHs	RoHs	Full Load mA	Voltage Vdc Max	Current mA Max
F15-P10	F15-P10/Y	420	+100	10
F15-N10	F15-N10/Y	420	-100	10
F15-P20	F15-P20/Y	420	+200	5
F15-N20	F15-N20/Y	420	-200	5
F15-P30	F15-P30/Y	420	+300	3.3
F15-N30	F15-N30/Y	420	-300	3.3
F15-P50	F15-P50/Y	420	+500	2
F15-N50	F15-N50/Y	420	-500	2
F15-P60	F15-P60/Y	420	+600	1.67
F15-N60	F15-N60/Y	420	-600	1.67
F15-P100	F15-P100/Y	420	+1000	1
F15-N100	F15-N100/Y	420	-1000	1
F15-P125	F15-P125/Y	420	+1250	0.8
F15-N125	F15-N125/Y	420	-1250	0.8
F15-P150	F15-P150/Y	550	+1500	0.67
F15-N150	F15-N150/Y	550	-1500	0.67
F15-P200	F15-P200/Y	550	+2000	0.5
F15-N200	F15-N200/Y	550	-2000	0.5
12Vdc Models		Input Current	Output Specifications	
Non-RoHs	RoHs	Full Load mA	Voltage Vdc Max	Current mA Max
F112-P10	F112-P10/Y	220	+100	10
F112-N10	F112-N10/Y	220	-100	10
F112-P20	F112-P20/Y	220	+200	5
F112-N20	F112-N20/Y	220	-200	5
F112-P30	F112-P30/Y	220	+300	3.3
F112-N30	F112-N30/Y	220	-300	3.3
F112-P50	F112-P50/Y	220	+500	2
F112-N50	F112-N50/Y	220	-500	2
F112-P60	F112-P60/Y	220	+600	1.67
F112-N60	F112-N60/Y	220	-600	1.67
F112-P100	F112-P100/Y	220	+1000	1
F112-N100	F112-N100/Y	220	-1000	1
F112-P125	F112-P125/Y	220	+1250	0.8
F112-N125	F112-N125/Y	220	-1250	0.8
F112-P150	F112-P150/Y	220	+1500	0.67
F112-N150	F112-N150/Y	220	-1500	0.67
F112-P200	F112-P200/Y	220	+2000	0.5
F112-N200	F112-N200/Y	220	-2000	0.5