



"The best high voltage design solution"

SP7293 SPECIFICATION SHEET

Customer Approval

Name _____
Signature _____
Date (MM/DD/YYYY) _____

Customer Signature Required

Standard Model Number : SP7293

RoHs Model Number : SP7293/Y

ELECTRICAL SPECIFICATIONS

Standard Model is NOT RoHs Compliant

Input Voltage0-15Vdc	Output Ripple < 1% P-P
No Load Input Current<330 mA	Startup Voltage <0.7Vdc
Full Load Input Current <760mA	Input Filter Low ESR Capacitor
Output Voltage 0V to +36kVdc	Short Circuit Protection Continuous
Output Current 0.14 mA	Switching Frequency 60 kHz
Voltage Accuracy <5%	Output Isolation 500 Vdc
Line Regulation Proportional	($\leq \pm 500V$ bias on output return)
Load Regulation < 10%	

GENERAL SPECIFICATIONS

Temp. Stability +/- 0.05%/°C	Derating None
Temp. (Operating , Case) -20 to +85°C	Cooling Free-Air Convection
Temp. (Storage) -40 to +100°C	
Humidity 0 to 95% (Non-Condensing)	

PHYSICAL SPECIFICATIONS

Dimensions 1.0 x 7.5 x 1.0 inches	Encapsulation Material UL 94V-0 Epoxy
Weight 7.1 Oz	Case Material Black Plastic
	(With Non-Conductive Base Plate)

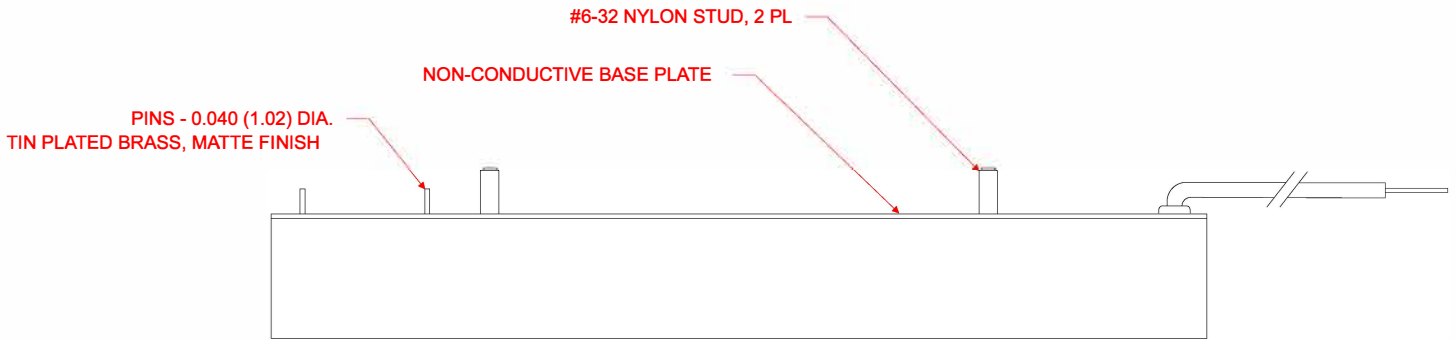
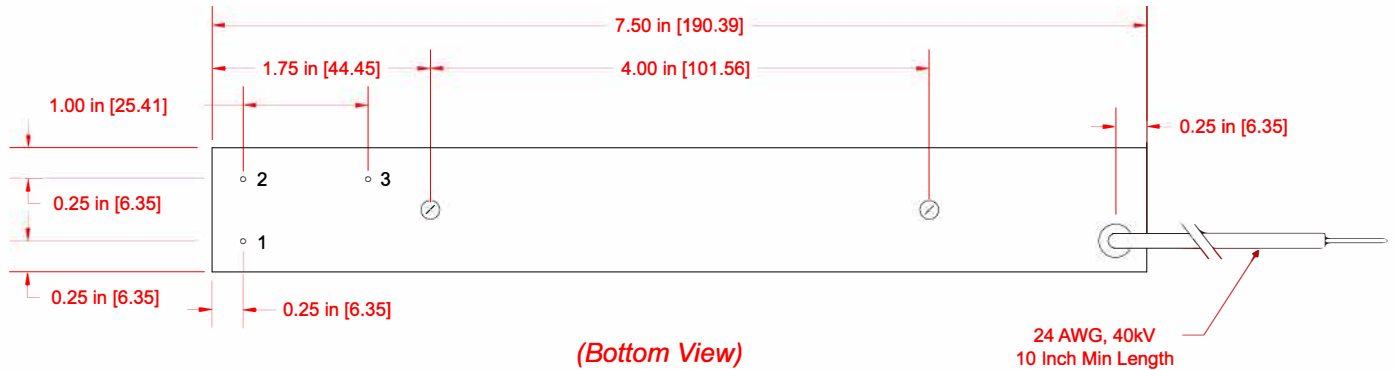


WW & European Master Stocking Distributor
Phone: +41 44 730 33 53
Email: sales@hvps-condatas.com · www.hvps-condatas.com
Rietbachstrasse 7 · 8952 Schlieren (ZH) · Switzerland



"The best high voltage design solution"

SP7293 SPECIFICATION SHEET



PIN #	FUNCTION
1	+ Input
2	- Input
3	HV Return
4	HV Output

*Dimensions are in Inches
[Metric equivalents in brackets]*



"The best high voltage design solution"

SP7293 SPECIFICATION SHEET

APPLICATION NOTES

CLEANING AGENTS

In order to avoid possible damage, any penetration of cleaning fluids must be prevented, since the power supplies are not hermetically sealed.

NUCLEAR AND MEDICAL APPLICATIONS

American Power Design products are not designed, intended for use in, or authorized for use as critical components in life support systems, equipment used in hazardous environments, or nuclear control systems without the express written consent of American Power Design, Inc.

SAFETY REQUIREMENTS

The converters are designed to meet North American and International safety regulatory requirements per UL 60950-1/CSA 22.2 No. 60950-1-07 Second Edition, IEC 60950-1:2005, and EN 60950-1:2006. Basic Insulation is provided between input and output. To comply with safety agencies requirements, an input line fuse (1.5A SB) must be used external to the converter.

If one input fuse is used for a group of modules, the maximum fuse rating should not exceed 20A.

WARRANTY

All products manufactured by American Power Design, Inc. (APD) are warranted to be free of defects due to material or workmanship for a period of one year from date of shipment. At our option, APD will repair or replace any non-conforming product.

APD expressly disclaims any liability for consequential or incidental damages resulting from the use or misuse of its products by the purchaser or others.

This warranty is in lieu of all warranties expressed or implied, including the warranties of merchantability. No other warranties, obligations, or liabilities are expressed or implied.

All products being returned for repair require a return material authorization(RMA) assigned by APD prior to return shipment.