



HVPSI

2132 Series

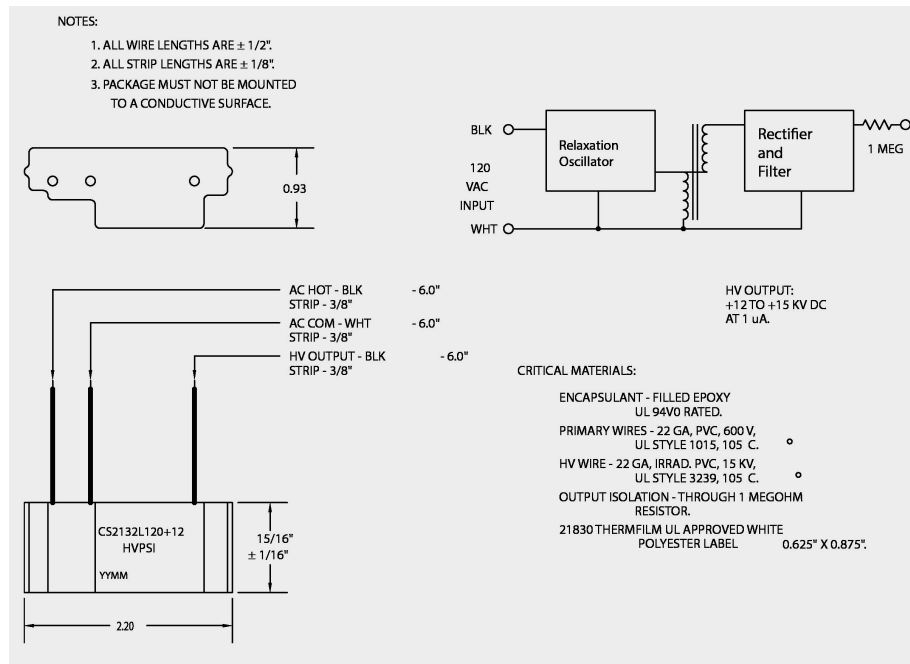
High Voltage Power Supplies

- Two basic designs: 8kVDC or 12kVDC output voltage
- Other output voltages available
- Compact and cost effective
- Reliable solid-state design
- Maintenance free
- Completely encapsulated
- Automatic over current shutdown and recovery
- UL Recognized versions available
- RoHS versions available



	Conditions	Value	Units
Input			
Input Voltage	All Versions	120	VAC
Current, Input	Nominal Input	15 Max	mA
Power	At Max load	2	W
Output			
Voltages Available	Primary Output	±8	kVDC max
		±12	kVDC max
Power	Nominal Input	0.04	W
		0.06	
Current, Input	Nominal Input	15 Max	mA
Current, Output	Nominal Input, Max Vo, Unregulated	1 to 5	μA
Regulation, Vo	Any Static Load, Max Vo	<30%	VDC
		<40%	
Ripple	Full Load, Max Vo	5%	Vp-p
Stability	Over 8hr, 30 min warm up	<0.5%	VDC
Environmental			
Operating Temperature	Case Temp, Full Load, Max Vo	0 to +60	°C
Temp Coefficient	Over the Operating Temperature	0.08	%/°C
Storage	Non-Operating, Case Temp	-40 to +85	°C
Humidity	Non-Condensing	0 to 95%	RH
Altitude	Standard Operating Conditions	0 to 10000	Feet

NOTICE: This power supply should never be mounted directly to a metal surface.



Part Number	Input Voltage	Output Voltage*	Polarity	Input Frequency
ACN2132L8	AC Input (120 VAC)	-8kV DC	Negative	50/60 Hz
ACP2132L8	AC Input (120 VAC)	8kV DC	Positive	50/60 Hz
ACN2132L12	AC Input (120 VAC)	-12kV DC	Negative	50/60 Hz
ACP2132L12	AC Input (120 VAC)	12kV DC	Positive	50/60 Hz

*Note: Output voltages shown are minimum DC @ 1 μ A. Output drops approximately 1 kV for each additional μ A of load current.

Typical Mechanical Specifications:

- Encapsulant:
Filled Epoxy (UL94V-0 Rated)
- Mounting:
Cable-ties, epoxy, RTV, or silicon. If glued, recommend glue be applied to two surfaces.
- Primary Wires:
22AWG PVC, 600 V, UL Style 1015, 105°C, 2 wire, or 3 wire available
- High Voltage Wires:
22 AWG, 15KVDC, UL Style 3239, 105°C
- Temperature Rating:
Operating 0°C to +60°C
Storage -40°C to +85°C

Options:

- Input ground wire
- Control Wires
(requires a 2 watt potentiometer, not supplied)
- "Power-On" indicating light
- Input to Output isolation

Custom voltages and housings are also available. Consult the factory for additional information.

Typical Applications:

- Ionizers
- Table Top Air Cleaners
- Laser Start-up Circuits
- EOS/ESD Anti-static Equipment