



HVPSI

S Series

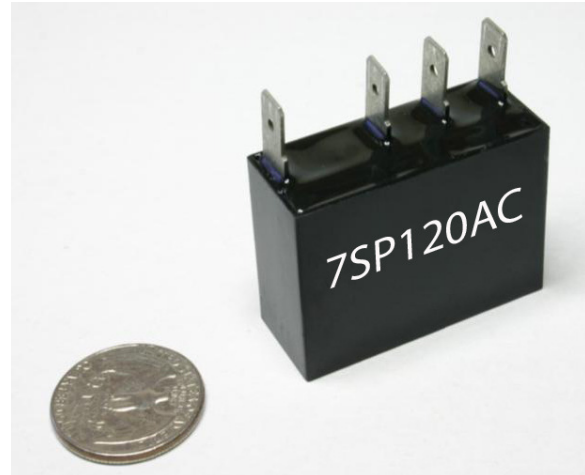
Unregulated Micro-Power High Voltage Power Supply

FEATURES

- Compact Size
- Cost Effective
- RoHS Compliant
- Fast-on Terminals
- Epoxy Encapsulated
- Short Circuit Protection
- UL Recognized Versions Available

TYPICAL APPLICATIONS

- Ionizers
- Electrostatic Spraying
- Table Top Air Cleaners
- EOS / ESD Anti Static Equipment



DESCRIPTION

The Micro-Power Series of unregulated high voltage power supplies is designed for applications that require compact size, low cost, reliable operation and is available with positive or negative DC output voltage and three high voltage output levels to select from.

Model	Output Polarity	Input Voltage	DC Output Voltage
7SP120AC	Positive	120 VAC, 50/60 Hz	7kV
8SP120AC	Positive	120 VAC, 50/60 Hz	8kV
10SP120AC	Positive	120 VAC, 50/60 Hz	10kV
7SN120AC	Negative	120 VAC, 50/60 Hz	7kV
8SN120AC	Negative	120 VAC, 50/60 Hz	8kV
10SN120AC	Negative	120 VAC 50/60 Hz	10kV
7SP240AC	Positive	240 VAC, 50/60 Hz	7kV
8SP240AC	Positive	240 VAC, 50/60 Hz	8kV
10SP240AC	Positive	240 VAC, 50/60 Hz	10kV
7SN240AC	Negative	240 VAC, 50/60 Hz	7kV
8SN240AC	Negative	240 VAC, 50/60 Hz	8kV
10SN240AC	Negative	240 VAC, 50/60 Hz	10kV



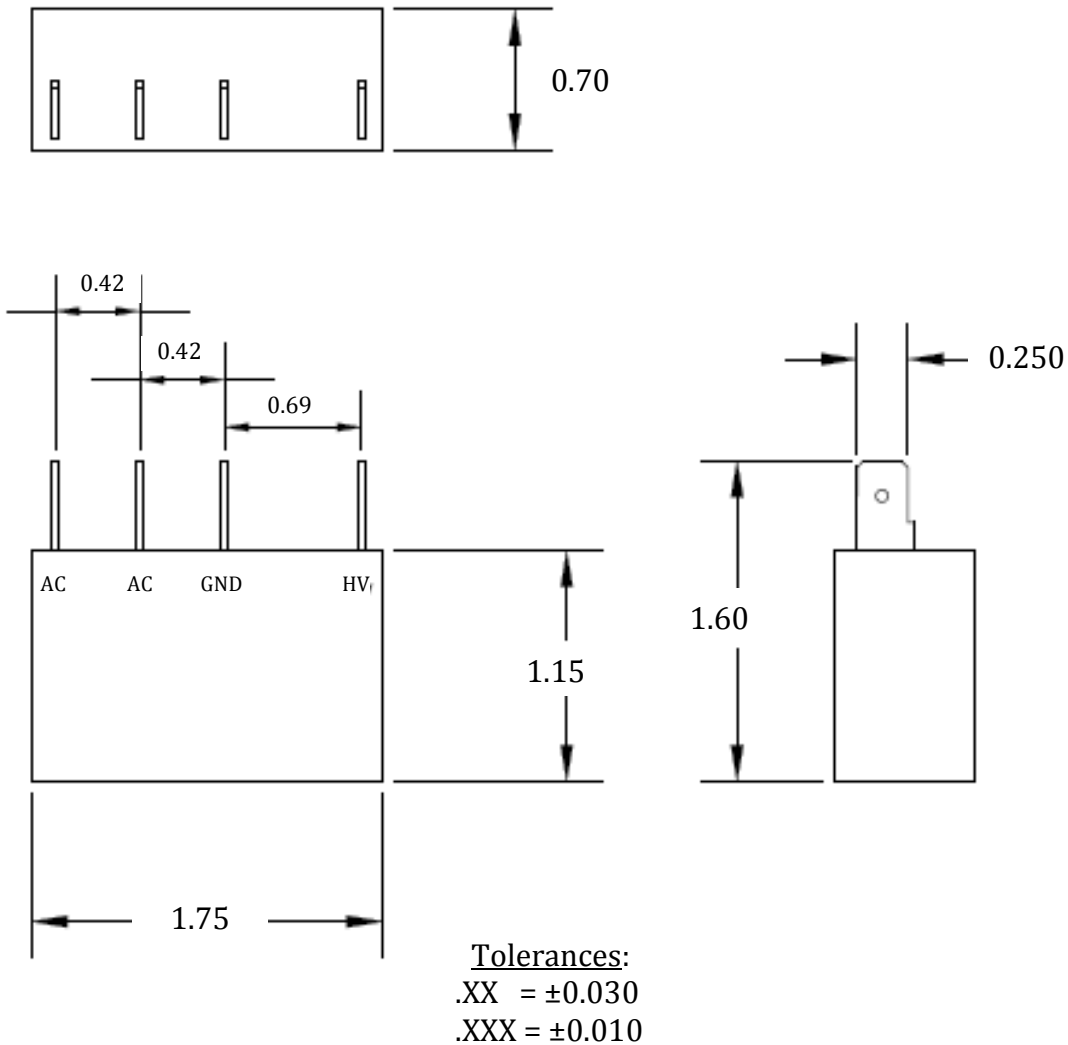
High Voltage Products. High Voltage Experts.

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VERSION: 1.0
EFFECTIVE: MARCH 2013

Mechanical Outline - dimensions in inches



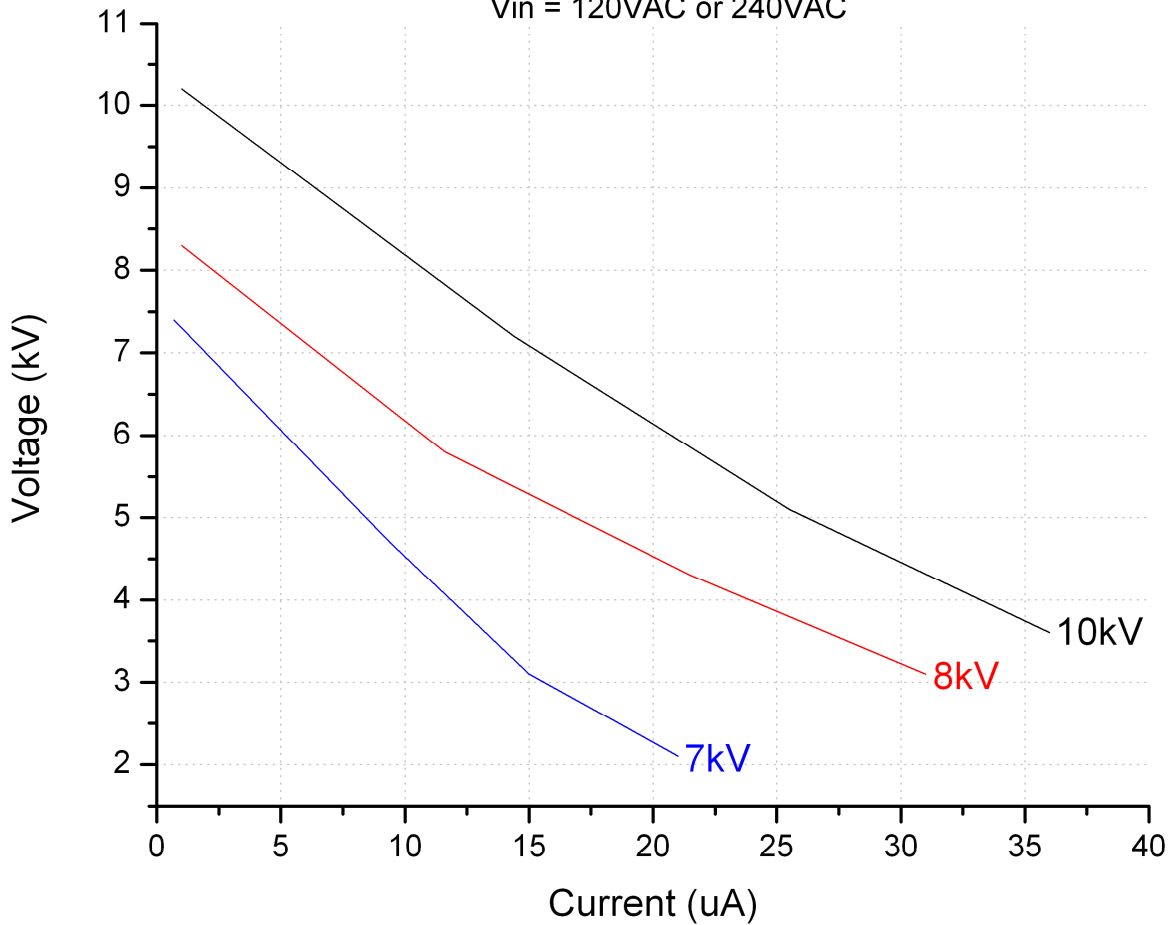
TYPICAL MECHANICAL SPECIFICATIONS

- Encapsulant is filled epoxy (UL94V-0 Rated)
- 1 / 4 inch fast-on terminals
- Mount unit with cable ties, glue, epoxy, RTV or silicone. If glue is used, apply to two surfaces
- Storage Temperature is -40 °C to + 85 °C
- Operating Temperature is 0 °C to + 70 °C

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

Typical Load Lines

$V_{in} = 120VAC$ or $240VAC$



TYPICAL ELECTRICAL SPECIFICATIONS

- Input voltage is $\pm 10\%$ of the rated specified value at 50/60 Hz
- Output voltage is unregulated; please refer to the typical load lines
- Designed to withstand arcing and short circuits
- Turn-on time is typically 0.5 seconds
- Operates into any load condition: no load, capacitive, inductive or resistive load