



FEATURES

- Made in America
- Compact Size
- Cost Effective
- Reliable Solid State Design
- Maintenance Free
- Automatic over current shutdown and recovery
- UL recognized File Number E81634 available

TYPICAL APPLICATIONS

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

DESCRIPTION

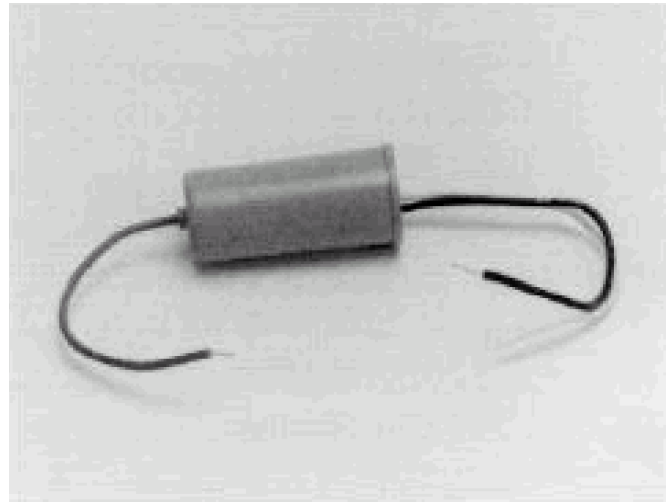
The CS2041 series of unregulated solid state power supplies is designed for ionizers, table top air cleaners, laser (startup) circuits, EOS / ESD antistatic equipment and other equipment requiring reliable, compact, economical, high voltage (5 KVDC and above) power supplies. The CS2041 series is available with either a positive or a negative output. There are two basic designs: (1) 8 KVDC output and (2) 12 KVDC output. Other output voltages are available from 6 KVDC to 15 KVDC. Input voltage: 120 VAC or 240 VAC ($\pm 10\%$) 50 / 60 Hz.

OPTIONS

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

The CS2041 series is available in a non-cased, epoxy molded configuration as the CS2132 series. Consult factory for additional information. Custom voltages and housings are also available.

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



TYPICAL ELECTRICAL SPECIFICATIONS

- Input Voltage: 120 VAC or 240 VAC ($\pm 10\%$) 50 / 60 Hz
- Output Current: 1-5 μ A typical
- Output Regulation: Unregulated, see Typical V-I Curve
- Load: May be operated into any load condition (capacitive, resistive or inductive) or no load. Can withstand arcing and short circuits.

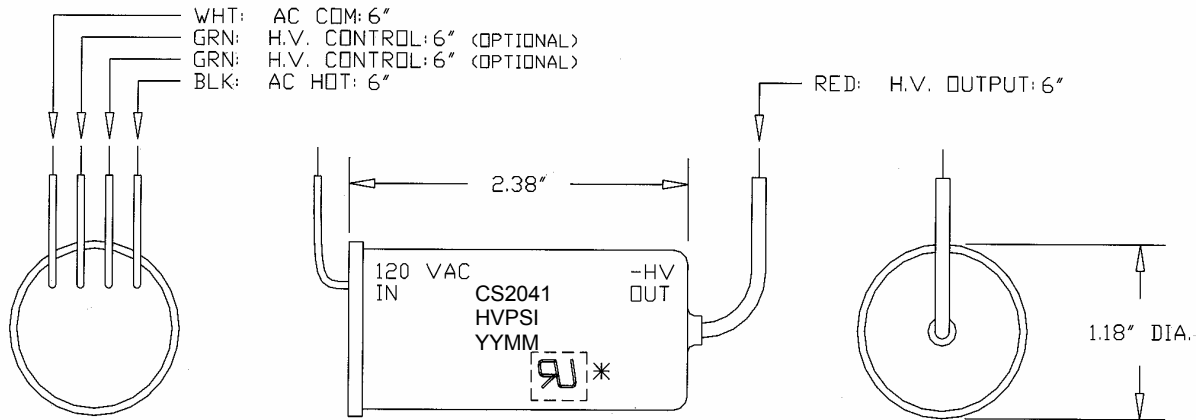
TYPICAL MECHANICAL SPECIFICATIONS

- Case: Glass Filled Noryl (UL 94VI Rated)
- Encapsulant: Filled Epoxy (UL 94VO Rated)
- Mounting: Cable-ties, glue, epoxy, RTV, or silicon. If glued, we recommend glue be applied to two surfaces.
- Primary Wires: 22 AWG PVC, 600 V, UL Style 1015, 105°C, 2 wire or 3 wire available
- High Voltage Wires: 22 AWG Irradiated PVC, 15 KVDC, UL Style 3239, 105°C
- Temperature Rating:
Operating 0° to +60°C
Storage -40° to +85°C



Model	Input Voltage	Input Frequency	Output Voltage*
CS2041L120-8	120 VAC	50 / 60 Hz	8 KVDC neg
CS2041L120+8	120 VAC	50 / 60 Hz	8 KVDC pos
CS2041L120-12	120 VAC	50 / 60 Hz	12 KVDC neg
CS2041L120+12	120 VAC	50 / 60 Hz	12 KVDC pos
CS2041L240-12	240 VAC	50 / 60 Hz	12 KVDC neg
CS2041L240+12	240 VAC	50 / 60 Hz	12 KVDC pos

*Output voltages shown above are minimum DC at 1 μ A



* AVAILABLE

CS2041 SERIES, TYPICAL V-I CURVES

INPUT = 120VAC

