



FEATURES

- Made in America
- Cost Effective
- Metal Case NEMA 1
- Reliable Solid State Design
- Maintenance Free
- External test points (voltage & current)
- HV Meter on front panel to monitor output voltage and current
- Automatic over current shutdown recovery
- High Frequency Switchmode Design
- UL / CSA recognized available
- Internal Safety Interlock
- Dual Voltage Output

TYPICAL APPLICATIONS

- Industrial Electrostatic Air Cleaners

DESCRIPTION

The CS2098 series of regulated solid state power supplies is designed for electrostatic air cleaning equipment and other equipment requiring reliable, compact, economical, high voltage (10 to 14 KVDC @ 38 mA) power supplies. Input: 120 VAC ($\pm 10\%$) 50 / 60 Hz. "High Voltage On" indicating light and "Power-On" indicating light.

The CS2098 series is packaged in a NEMA 1 metal enclosure. The power supply may be installed in any physical position. Consult factory for additional information. Custom voltages are available.

NOTICE: This power supply requires adequate ground connection for operation. Failure to provide ground may result in failure of the power supply and/or electrical shock.



TYPICAL ELECTRICAL SPECIFICATIONS

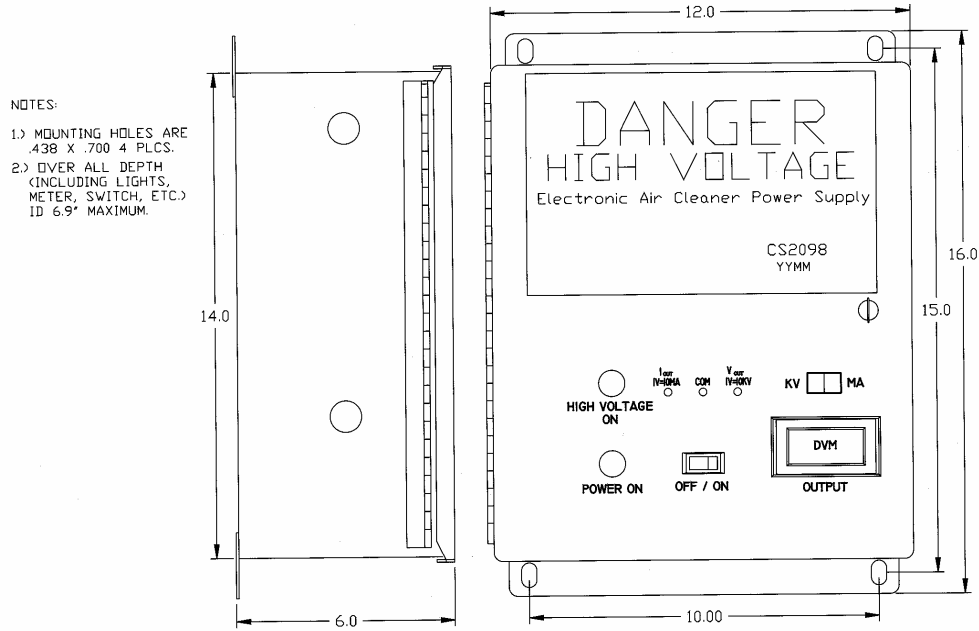
- Input Voltage: 120VAC ($\pm 10\%$) 50 / 60 Hz
- Output Voltage:
 - 10 to 14 KVDC adjustable
 - 5 to 7 KVDC adjustable
- Output Current: 38 mA Max
- Output Power: 500 W
- Output Regulation: Regulated, see Typical V-I Curve
- Load: May be operated into any load condition (capacitive, resistive or inductive) or no load. Can withstand arcing and short circuits.
- Isolated Output; High Voltage referenced to Earth Ground

TYPICAL MECHANICAL SPECIFICATIONS

- Input Voltage Termination: Terminal Block inside enclosure
- Output Termination: #10 studs
- Mounting: 4 each .438 x.700 holes for wall mounting applications
- Enclosure: Metal, NEMA 1, with hinged cover and knockouts
- Temperature Rating:
 - Operating 0° to +60°C
 - Storage -40° to +85°C



Model	Input Voltage	Input Frequency	Output Voltage	Output Current
CS2098L120+14	120 VAC	50 / 60 Hz	10 to 14 kVDC adj 5 to 7 kVDC adj	38 mA



CS2098 SERIES, TYPICAL V-I CURVE

