



FEATURES

- 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 and Recovery
- High Frequency Switch-mode Design
- Internal Safety Interlocks
- Dual Voltage Output
- UL / CSA Recognized Versions Available
- RoHS Versions Available
- Formerly CS2098 Series

TYPICAL APPLICATIONS

- Industrial Electrostatic Air Cleaners

DESCRIPTION

The 2098 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 provided.

The 2098 series is packaged in a NEMA 1 metal enclosure. The power supply may be installed in any physical position. Consult factory for additional information.

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 50% tap
- 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

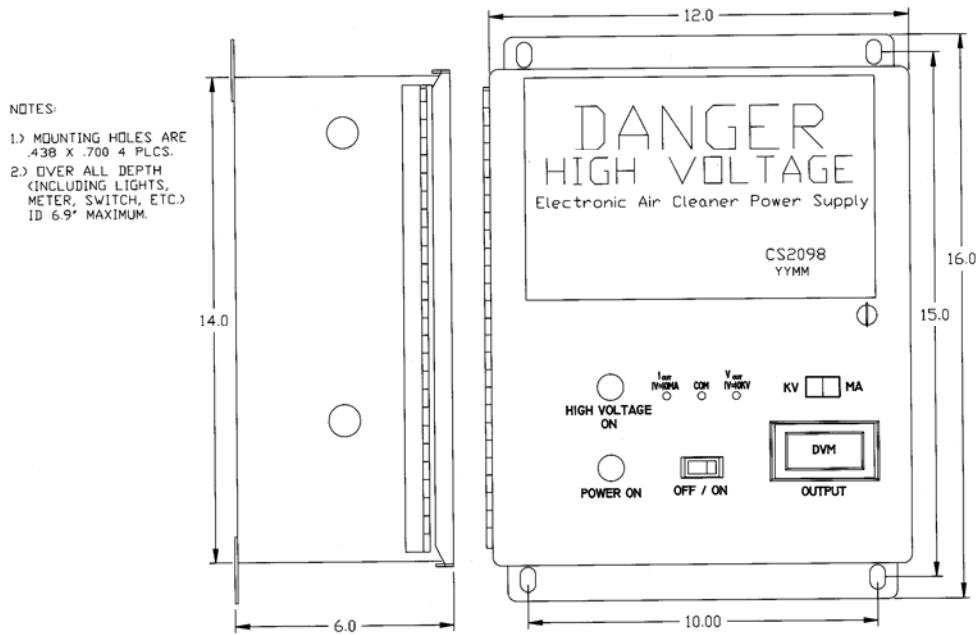
TYPICAL MECHANICAL SPECIFICATIONS

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



Model	Output Voltage - Adjustable		Output Current
	100%	50% Tap	
ACP2098L14	10kV to 14kV Positive	5kV to 7kV Positive	38 mA

Formerly CS2098 Series



2098 SERIES TYPICAL V-I OUTPUT CURVE

