



### 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

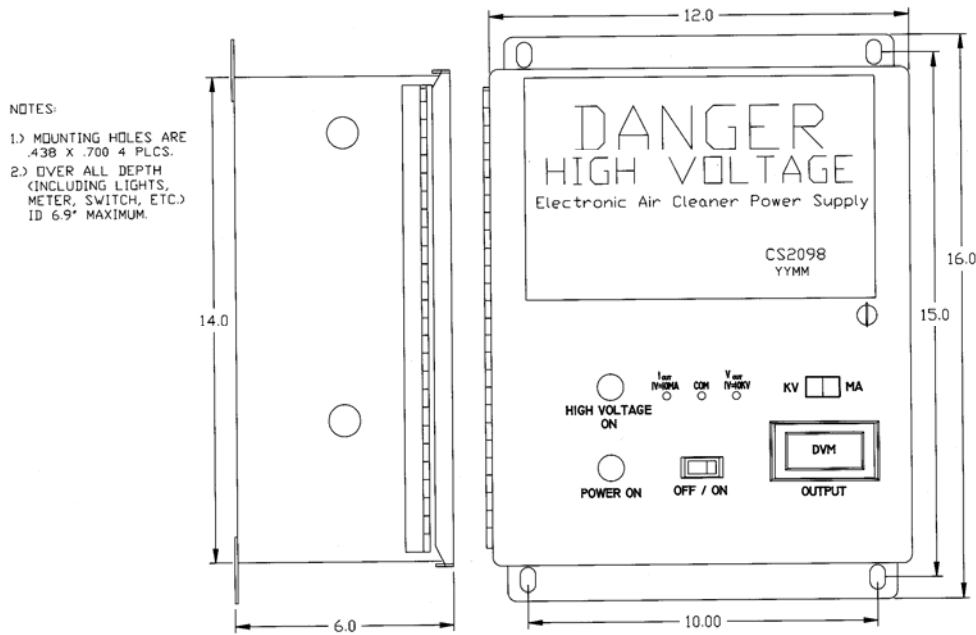
### TYPICAL MECHANICAL SPECIFICATIONS

- 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**

