



### FEATURES

- Made in America
- Non-Metallic Case
- Cost Effective
- Reliable Solid State Design
- High Efficiency
- Maintenance Free
- Automatic over current shutdown and recovery
- High Frequency Switchmode Design
- UL recognized File Number E81634 available

### TYPICAL APPLICATIONS

- Electrostatic Air Cleaners

### DESCRIPTION

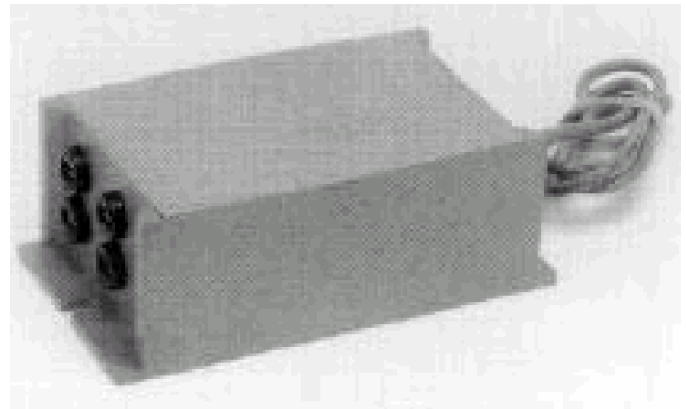
The CS2234 series of unregulated solid state switching power supplies is designed for applications requiring a medium duty power supply. Input voltage: 120 VAC or 240 VAC ( $\pm 10\%$ ) 50 / 60 Hz. Connection for "HV On" indicating LED provided.

The CS2234 series is packaged in a nonmetallic enclosure and may be installed in any position. Consult factory for additional information.

### COMPLIANCE

- FCC Class A available
- UL 867 available

**NOTICE: This power supply requires adequate ground connection for operation. Failure to provide ground could result in failure of the power supply. Proper ground connections must be made to input terminal on non-metallic case.**



### TYPICAL ELECTRICAL SPECIFICATIONS

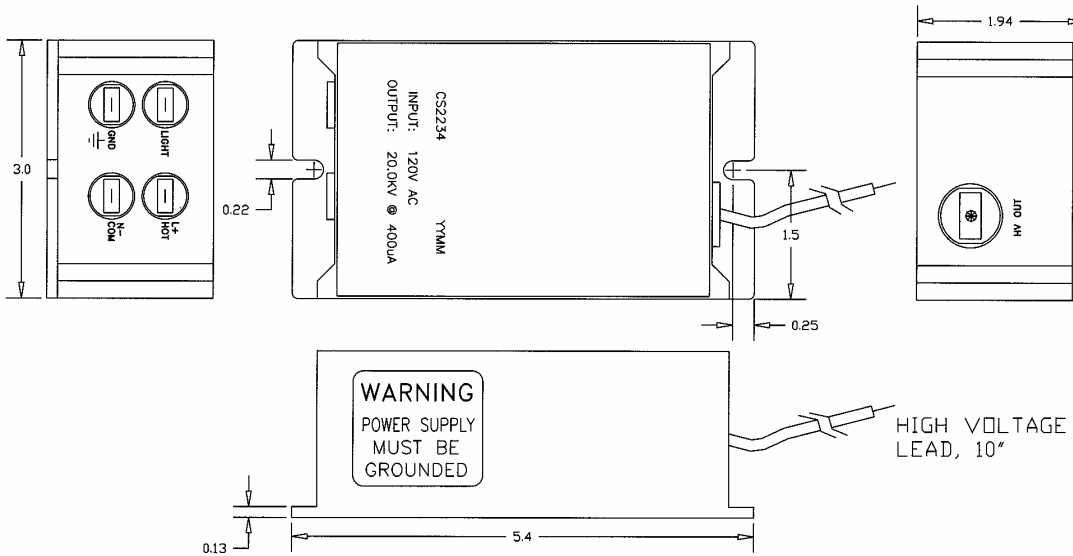
- Input Voltage: 120 VAC or 240 VAC ( $\pm 10\%$ ) 50 / 60 Hz
- Output Voltage: 20 KVDC
- Output Current: 900  $\mu$ A Max
- Output Power: 10 W
- Output Regulation: See Typical V-I Curve
- Load: May be operated into any load condition (capacitive, resistive or inductive) or no load. Can withstand arcing and short circuits.
- Isolated Output; High Voltage referenced to Earth Ground

### TYPICAL MECHANICAL SPECIFICATIONS

- Case: Glass Filled Noryl, UL 94V-1 Rated
- Encapsulant: Filled Epoxy, UL 94V-0 Rated
- Input Voltage Termination: 1/4" black insulated terminals
- "HV On" Indicating Light Termination: 1/4" black insulated terminal
- High Voltage Wire: 22 AWG Irradiated PVC, 15 KVDC or 30 KVDC, UL Style 3239, 105°C
- Temperature Rating:
  - Operating 0° to +60°C
  - Storage -40° to +85°C



Input Model	Input Voltage	Input Frequency	Output Voltage	Typical Output Current
CS2234L120-20	120 VAC	50 / 60 Hz	20 KVDC neg	400 $\mu$ A
CS2234L120+20	120 VAC	50 / 60 Hz	20 KVDC pos	400 $\mu$ A



## CS2234 SERIES, TYPICAL V-I CURVE

INPUT = 120VAC

