



## Endicott Research Group, Inc.

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# E1985

## Specifications and Applications Information

3/27/97

Preliminary

The E1985 (E200II Series) dc to ac inverter is specifically designed to power the Sharp LQ12S31 LCD display to a nominal brightness level from a +5 volt dc source.

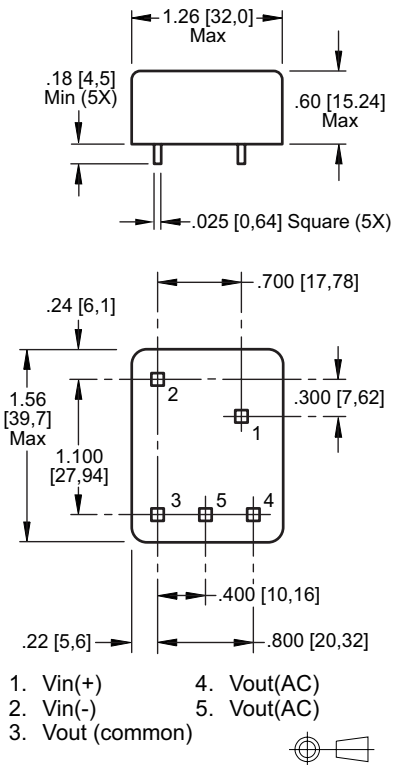
This inverter is designed to satisfy the most common cold-cathode lighting requirements for the Sharp LQ12S31 display. Custom units, providing different inputs, outputs or package refinements are available.

## Two Tube DC to AC Inverter

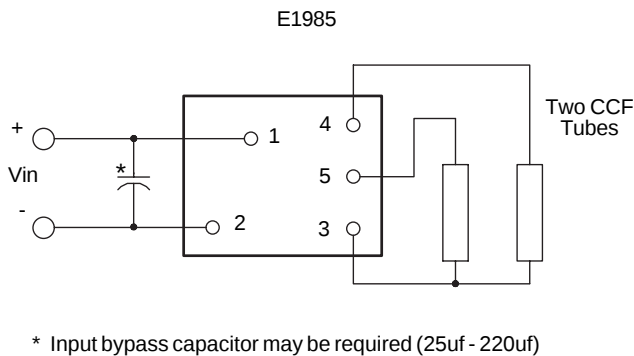


E200II Package

### Package Configuration



### Connection Diagram



### Electrical Characteristics (Nominal)

|                                                            |           |
|------------------------------------------------------------|-----------|
| Input Current                                              | 1.4 Adc   |
| No Load Output Voltage                                     | 1200 Vrms |
| Output Current/Tube                                        | 5.5 mArms |
| Tube Voltage                                               | 550 Vrms  |
| $(V_{IN} = 5.0 \text{ Volts DC}, T_A = 25^\circ \text{C})$ |           |