

# APPLIED CONCEPTS INC.

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# AC-1491

## PRODUCT DATA SHEET

04/07/05

## CCFL INVERTER

(For Single Tube Applications)

The AC-1491 is designed to power 2 CCFL's at a nominal current level of 5.0mA/tube from a +12V

The lamp output is open and short circuit protected.

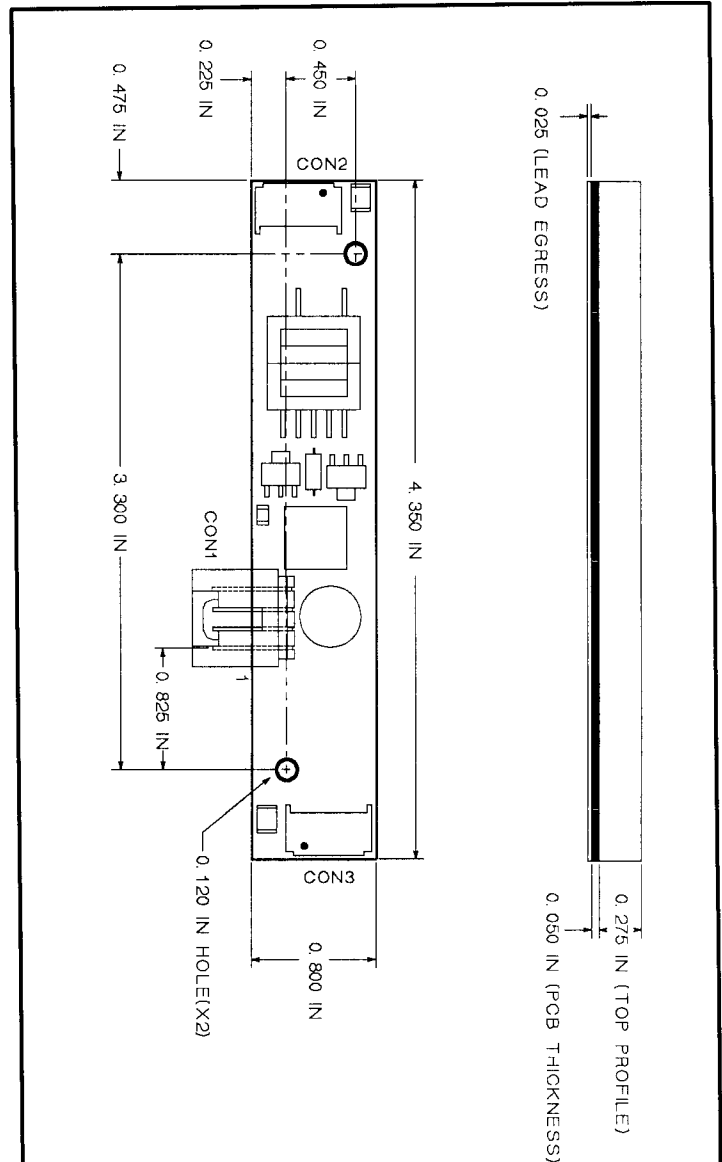
### Specifications:

- Vin = +12V +/- 10%
- CCFL strike voltage = 1400Vrms
- CCFL tube current = 5.0mA/tube
- Recommended CCFL sustaining voltage = 500Vrms - 700Vrms
- Nominal tube current frequency = 43kHz +/- 10%
- Average electrical efficiency = 88%

### Optional control capability:\*

- Low cost, resistive controlled pwm dimming
- Voltage controlled pwm dimming with Vsync capability for more demanding applications.
- Unique user interface options allow high performance operation with minimal components

\* Please contact factory for information



INPUT CONNECTOR  
CON1  
MOLEX 70553-0003

OUTPUT CONNECTOR  
CON2 CON3  
JST SM03(4 0)B-RHS-1-TR

| PIN # | FUNCTION | PIN # | FUNCTION  |
|-------|----------|-------|-----------|
| 1     | +VIN     | 1     | CCFL HOT  |
| 2     | GND      | 2     | NC        |
| 3     | PWM IN   | 3     | CCFL COLD |
| 4     | ENABLE   |       |           |