

# APPLIED CONCEPTS INC.

397 Route 281 - P.O. BOX 1175  
Tully, New York 13159-1175  
Phone: (315) 696-6676 Fax: (315) 696-9923  
www.acipower.com

# AC-1491

## CCFL INVERTER

(For Single Tube Applications)

## PRODUCT DATA SHEET

04/07/05

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:

$V_{in} = +12V \pm 10\%$

CCFL strike voltage = 1400Vrms

CCFL tube current = 5.0mA/tube

Recommended CCFL sustaining voltage = 500Vrms - 700Vrms

Nominal tube current frequency = 43kHz  $\pm 10\%$

Average electrical efficiency = 88%

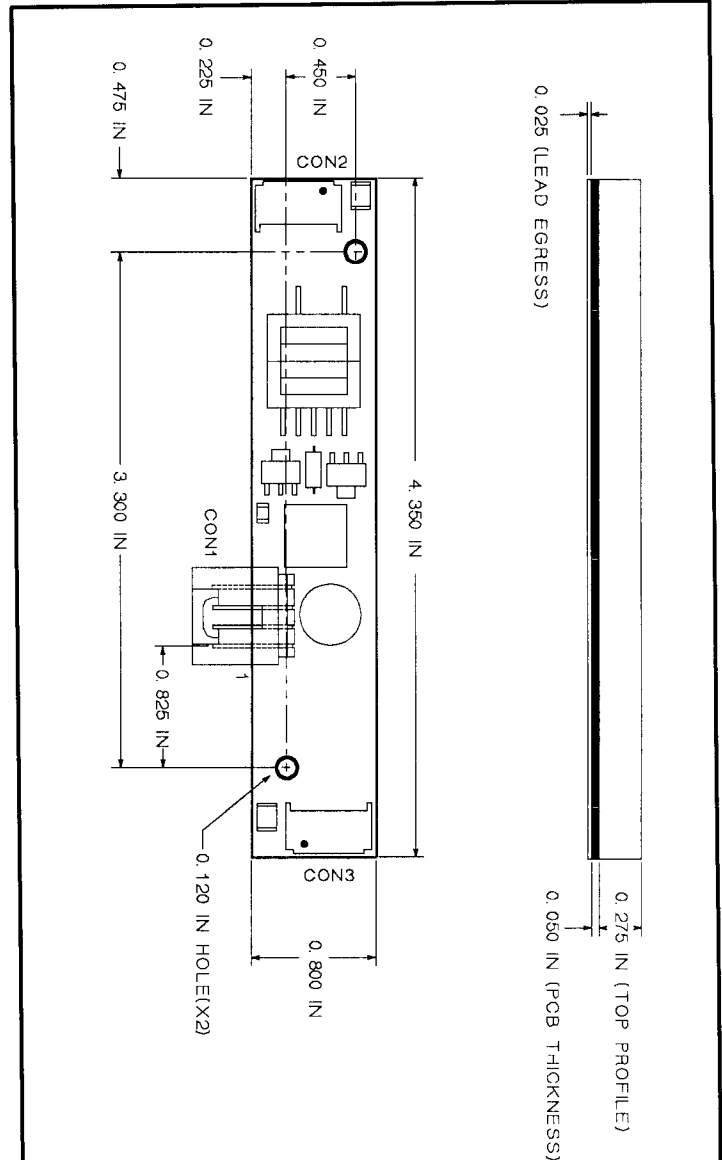
### Optional control capability:\*

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		