

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

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:

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

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.

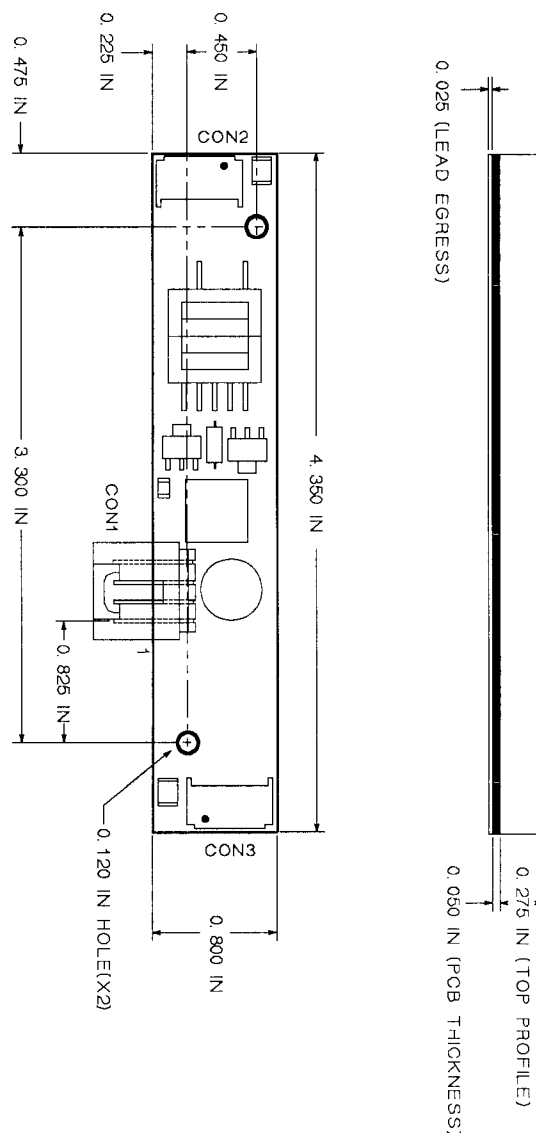
Unique user interface options allow high
performance operation with minimal components

* Please contact factory for information

AC-1491

PRODUCT DATA SHEET

04/07/05



INPUT CONNECTOR
CON1
MOLEX 70553-0003

PIN #	FUNCTION
1	+VIN
2	GND
3	PWM IN
4	ENABLE

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

PIN #	FUNCTION
1	CCFL HOT
2	NC
3	CCFL COLD