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**APPLIED CONCEPTS INC.**

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# AC7-12-1469

*PRODUCT DATA SHEET*

# CCFL INVERTER

*(For Dual Tube Applications)*

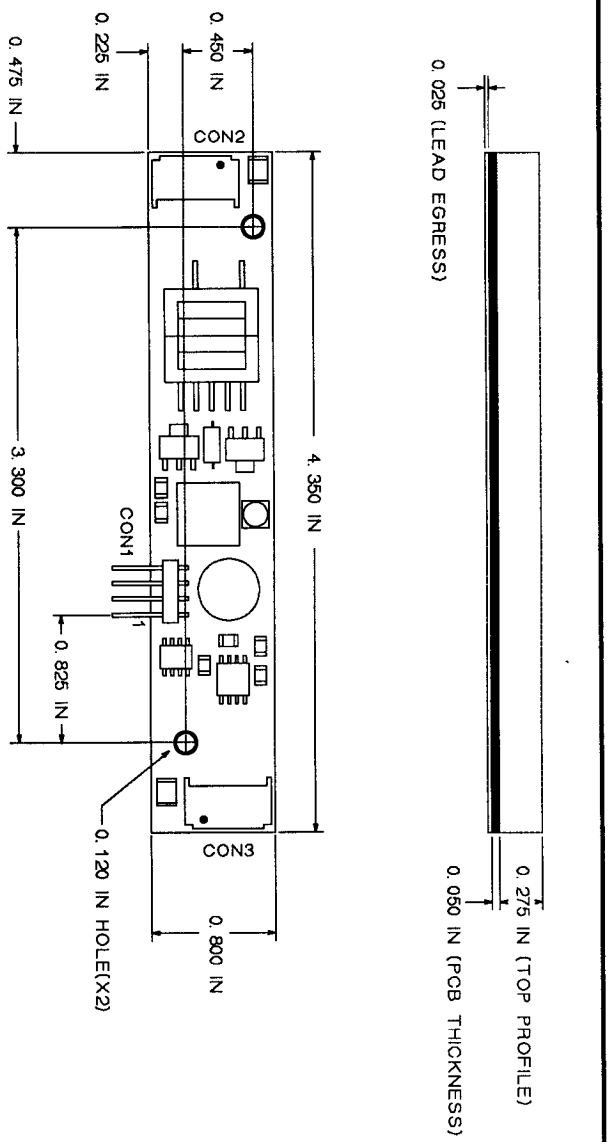
03/18/04

The AC7-12-1469 is designed to drive 2 CCFLs to a nominal current level of 6.0mA/tube.

Intensity control (0-100%) is accomplished by the user providing a variable dc level of .1V(on) to 4.92V(off) at pin 3 of CON1. ( Note specified for 5v supply at

Enable function 5V indicates on, 0V indicates off is provided on pin 4 of CON1

The lamp outputs are open and short circuit protected.




INPUT CONNECTOR
CON1
MOLEX 22-28-8041

| PIN # | FUNCTION |
|---|---|
| 1 | +VIN |
| 2 | GND |
| 3 | VCNTL |
| 4 | ENABLE |

OUTPUT CONNECTOR
CON2,CON3
JST SM03(4.0)B-BHS-1-TB

| PIN # | FUNCTION |
|---|---|
| 1 | CCFL HOT |
| 2 | NC |
| 3 | CCFL COLD |

## *Specifications:*

Vin = +12V +/- 10%

CCFL strike voltage = 1000Vrms @ Vin=12V

CCFL tube current =6.0mA/tube @ 100% intensity/Vin=12V)

Recommended CCFL sustaining voltage = 250Vrms - 450Vrms

Nominal tube current frequency = 50khz +/- 10%

Nominal pwm frequency = 98Hz +/- 3%

Pwm duty cycle range = 0 to 100%

Average electrical efficiency >87%

## *Additional control capability:**

Simple 1 or 2 button intensity control

CDS ambient light sensor control

Two-wire(variable resistance) intensity control

* Please contact factory for information

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