



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.

Specifications:

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

CCFL strike voltage = 1000Vrms @ $V_{in}=12V$

CCFL tube current = 6.0mA/tube @ 100% intensity/ $V_{in}=12V$)

Recommended CCFL sustaining voltage = 250Vrms - 450Vrms

Nominal tube current frequency = 50kHz $\pm 10\%$

Nominal pwm frequency = 98Hz $\pm 3\%$

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

