



**APPLIED
CONCEPTS INC.**

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AC5-12-1064

PRELIMINARY DATA SHEET

9/27/99

CCFL INVERTER

(For Multiple Tube Applications)

The AC5-12-1064 is designed to power 6 CCFL's to a nominal power level of 28 watts.

Intensity control (0-100%) is accomplished by the user providing a variable dc level of 0V(off) to 5V(full-on) at pin 5 of CON1.

Enable control is accomplished at pin 3 of CON1 (0V=off, 5V=on).

All outputs are open and short circuit protected.

This part is custommed designed/pinned out for White Electronic Designs Incorporated.

Specifications:

- Vin = +11.6V +/- 10%
- CCFL strike voltage = 1400Vrms @ Vin=11.6V
- CCFL tube current = 9.75mA/tube @ 100% intensity/Vin=11.6V)
- Recommended CCFL sustaining voltage = 400Vrms - 550Vrms
- Nominal tube current frequency = 59khz +/- 10%
- Nominal pwm frequency = 98Hz +/- 3%
- Pwm duty cycle range = 0 to 100%
- Average electrical efficiency >90%
- External PWM signal input control via enable pin
- Output PWM sync signal @ pin 6 of CON1

Additional control capability:*

- Supports multiple units ie:Master/Slave(s)
- Synchronization to display frame-rate
- Low power sleep-mode and soft-start
- UL 1950 Recognized

* Please contact factory for information

