



**APPLIED  
CONCEPTS INC.**

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**AC5-12-1066**

**PRELIMINARY DATA SHEET**

9/27/99

**CCFL INVERTER**

*(For Multiple Tube Applications)*

The AC5-12-1066 is designed to power 8 CCFL's to a nominal power level of 20 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.

**Specifications:**

Vin = +12V +/- 10%

CCFL strike voltage = 1200Vrms @ Vin=12V

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

Recommended CCFL sustaining voltage = 315Vrms - 515Vrms

Nominal tube current frequency = 50kHz +/- 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

