

**APPLIED
CONCEPTS INC.**

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AC5-12-1192

DATA SHEET

CCFL INVERTER

(For Multiple Tube Applications)

05/21/01

The AC5-12-1192 is designed to power 12 CCFL's to a nominal power level of 41 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.

For use with 22pf caps at each end of tubes(24 Caps Total)

Specifications:

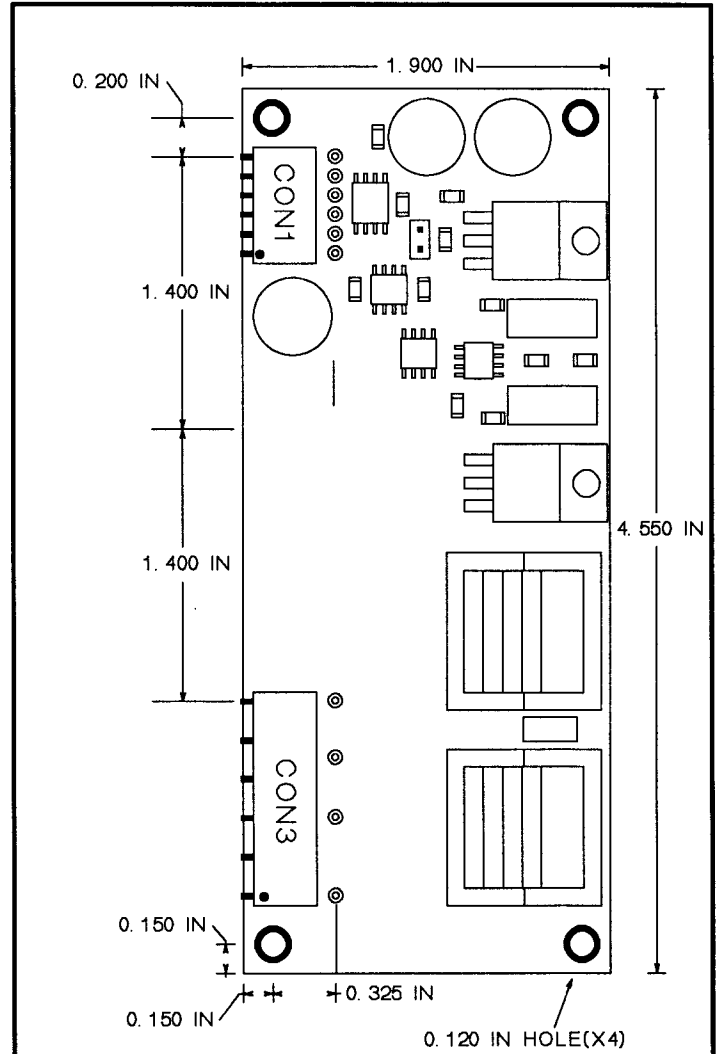
- Vin = +12V +/- 10%
- CCFL strike voltage = 1500Vrms @ Vin=12V
- CCFL tube current = 5mA/tube @ 100% intensity/Vin=12V)
- Recommended CCFL sustaining voltage =600Vrms - 700Vrms
- Nominal tube current frequency = 56khz +/- 10%
- Nominal pwm frequency = 98Hz +/- 3%
- Pwm duty cycle range = 0 to 100%
- 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)**
** See application note for configuration

- Synchronization to display frame-rate
- Low power sleep-mode and soft-start

* Please contact factory for information



PROFILE = 0.575 IN

CON1
MOLEX 22-28-1063

CON2(CON3)
MOLEX 22-28-1113

PIN #		PIN #	
1	+12V	1	CCFL Out
2	GND		
3	ENABLE	11	CCFL COMMON
4	LOGIC HI		
5	VCNTL		
6	PWM OUT		