



**APPLIED
CONCEPTS INC.**

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AC7-12-1138

CCFL INVERTER

(For Dual Tube Applications)

PRODUCT DATA SHEET

5/26/00

The AC7-12-1138 is designed to drive 2 CCFL's to a nominal current level of 6.0mA.

Intensity of the CCFL's is controlled by a CDS light sensor connected between pins 2 & 3 of CON1. Full intensity can be achieved by connecting pins 2 & 3 of CON1 together if desired.

The lamp outputs are open and short circuit protected.

This part is custom programmed for Captivads Inc.

Specifications:

Vin = +12V +/- 10%

CCFL strike voltage = 1450Vrms @ Vin=12V

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

Recommended CCFL sustaining voltage = 600Vrms - 800Vrms

Nominal tube current frequency = 54kHz +/- 10%

Nominal pwm frequency = 98Hz +/- 3%

Pwm duty cycle range = 0 to 100%

Average electrical efficiency >88%

Additional control capability:*

- Enable/Disable function
- Simple button intensity control
- Synchronization to display frame-rate capable
- Two-wire(variable resistance) intensity control
- Serial communication control

* Please contact factory for information

