



APPLIED

查询"AC2-12-1049"供应商

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AC2-12-1049

CCFL INVERTER

(For Multiple Tube Applications)

The AC2-12-1049 is designed to power 4 CCFL's to a nominal power level of 15 watts.

Intensity control (0-100%) is accomplished by the user providing a variable dc level of 0V(off) to 5V(full-on) at pin 6 of CON1.

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

All outputs are open and short circuit protected.

Specifications:

Vin = +12V +/- 10%

CCFL strike voltage = 1500Vrms @ Vin=12V

CCFL tube current = 7.5mA/tube @ 100% intensity/Vin=12V)

Recommended CCFL sustaining voltage = 400Vrms - 600Vrms

Nominal tube current frequency = 57khz +/- 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 8 of CON1

Additional control capability:*

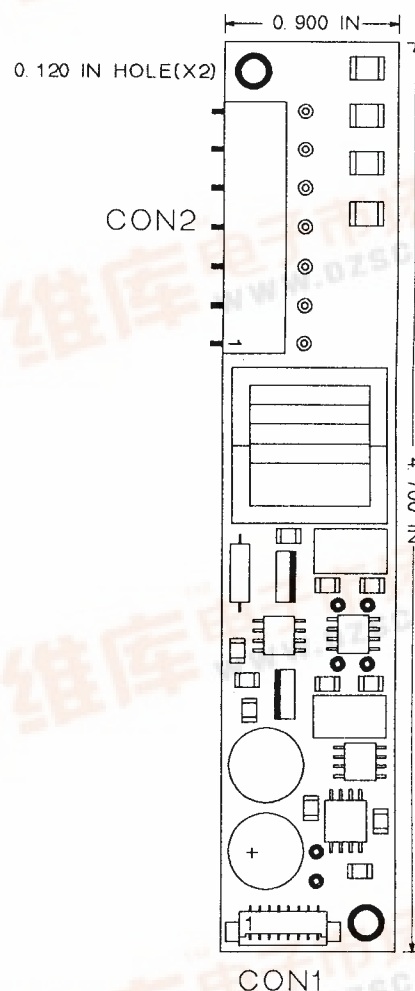
UL 1950 recognition pending

Synchronization to display frame-rate

Low power sleep-mode and soft-start

PRODUCT DATA SHEET

8/7/00



PROFILE < 0.575 IN

INPUT CONNECTOR
CON1
MOLEX 53261-0890

PIN #	FUNCTION
1	+12V(PWR)
2	+12V(PWR)
3	GND(PWR)
4	GND(PWR)
5	ENABLE
6	VCNTL
7	TBD/+5V OUT
8	PWM OUT

OUTPUT CONNECTOR
CON2
MOLEX 22-28-1130

PIN #	FUNCTION
1	CCFL COMMON
2	NC
3	NC
4	NC
5	NC
6	NC
7	CCFL4
8	NC
9	CCFL3
10	NC
11	CCFL2
12	NC
13	CCFL1

