

**APPLIED
CONCEPTS INC.**

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AC7-12-1159

PRODUCT DATA SHEET

12/11/02

CCFL INVERTER
(For Dual Tube Applications)

The AC7-12-1159 is designed to power 2 CCFL's at a nominal current level of 5 mA/tube from a 12V source.

Intensity control (0-100% is accomplished by the user providing a variable DC level of 0V (off) 5V(full on) at pin 3 of Con 1.

A +5V level is available at pin 4 of Con 1 for powering the high side of the intensity control potentiometer.

All outputs are open and short circuit protected.

Specifications:

Vin = +12V +/-10%

CCFL strike voltage = 1400Vrms

CCFL tube current =5 mA/tube @ 100% intensity / Vin12V

Recommended CCFL sustaining voltage = 500Vrms - 700Vrms

Nominal tube current frequency = 43khz +/-10%

Nominal pwm frequency =98 HZ +/- 3%

Average electrical efficiency = 88%

UL195 Recognized (File # E201813)

Optional control capability:*

Enable / Disable function

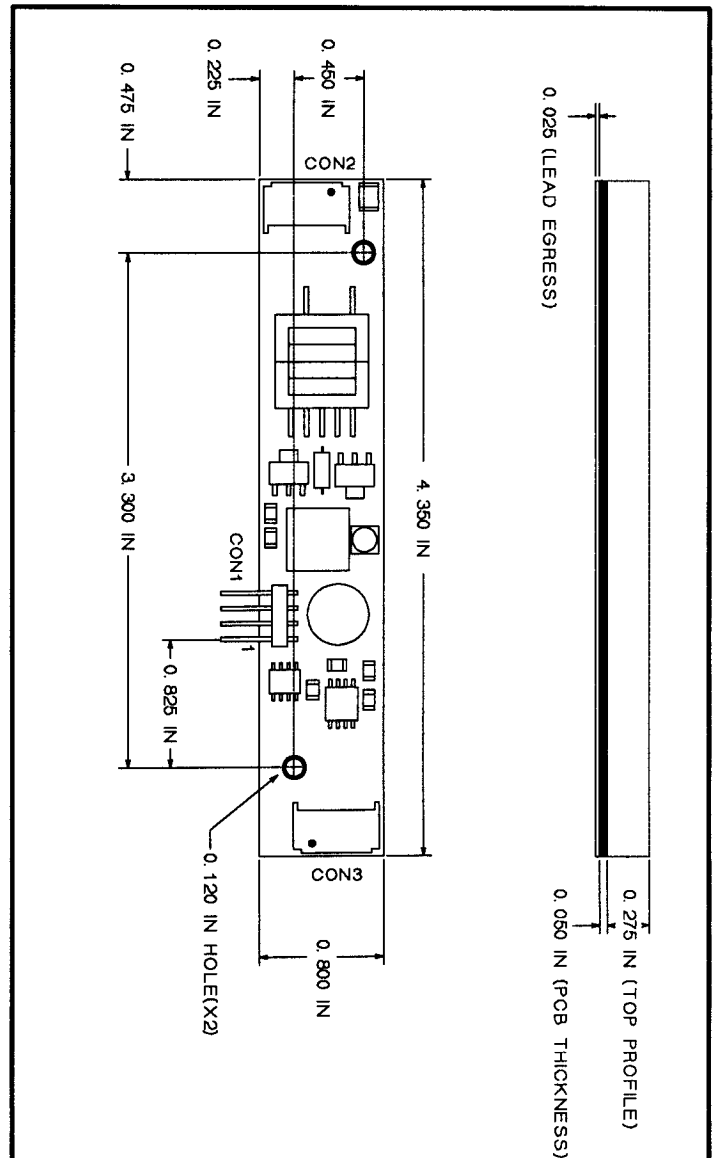
Simple button intensity control

CDS ambient light sensor control

Synchronization to display frame rate capable

Two-wire (variable resistance) intensity control

* Please contact factory for additional information



INPUT CONNECTOR CON1 MOLEX 22-28-8041		OUTPUT CONNECTOR CON2 JST SM03(4.0)B-BHS-1-TB	
PIN #	FUNCTION	PIN #	FUNCTION
1	+VIN	1	CCFL HOT
2	GND	2	NC
3	VCNTL	3	CCFL COLD
4	+5V Out		