

**APPLIED  
CONCEPTS** INC.

397 Route 281 - P.O. BOX 453  
Tully, New York 13159-0453  
Phone: (315) 696-6676 Fax: (315) 696-9923  
[www.acipower.com](http://www.acipower.com)

**AC7-12-1153**

**CCFL INVERTER**  
*(For Single Tube Applications)*

*PRODUCT DATA SHEET*

11/10/00

The AC7-12-1153 is designed to power 1 CCFL's at a nominal current level of 6.5mA/tube from a 12V source. All outputs are open and short circuit protected.

The AC7-12-1153 provides a five min. interval of current at 8.7 ma upon power on, for tube warm up. During this interval all other control signals are ignored.

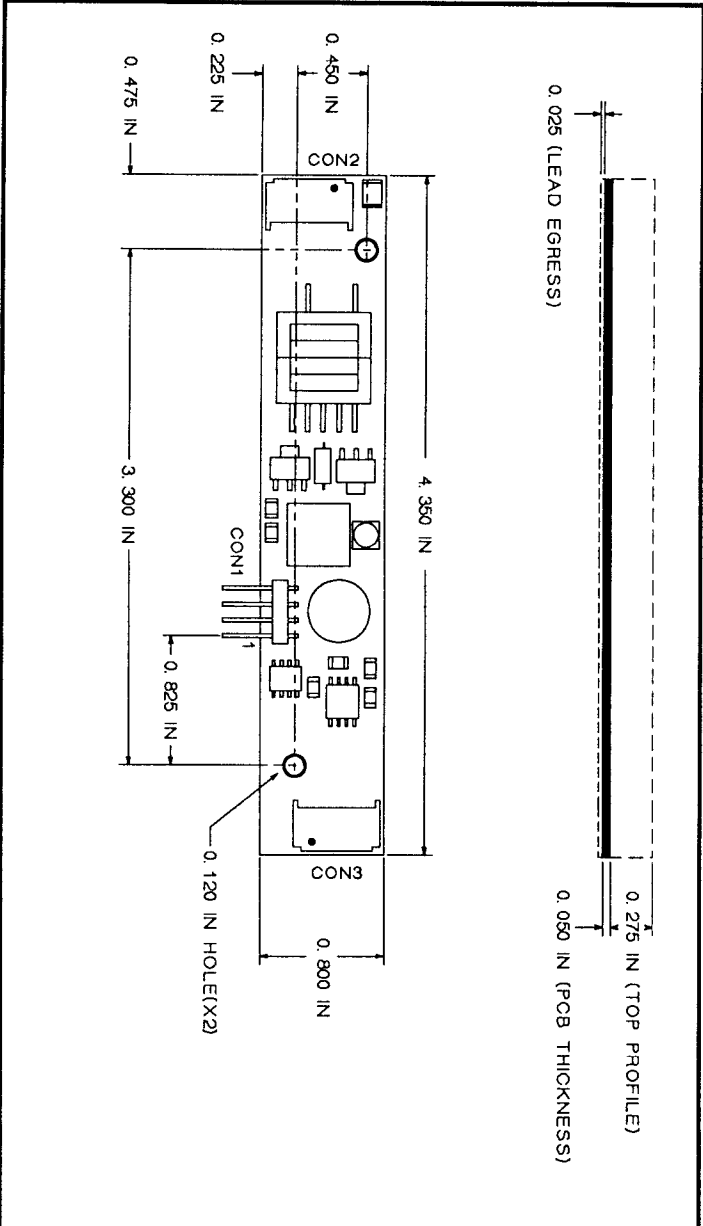
**Specifications:**

- $V_{in} = +12V \pm 10\%$
- CCFL strike voltage = 1500Vrms
- CCFL tube current = 6.5mA/tube
- Recommended CCFL sustaining voltage = 800Vrms - 900Vrms
- Nominal tube current frequency = 57khz  $\pm 10\%$
- Average electrical efficiency = 88%

**Optional control capability:\***

- Low cost, resistive controlled pwm dimming.
- Voltage controlled pwm dimming with Vsync capability for more demanding applications.
- Unique user interface options allows high performance operation with minimal components and cost.

\* 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	LOGIC HI OUT		