

Endicott Research Group, Inc.

2601 Wayne St., Endicott, NY 13760 607-754-9187 Fax 607-754-9255 http://www.ergpower.com L2885

Specifications and Applications Information

04/26/04 Preliminary

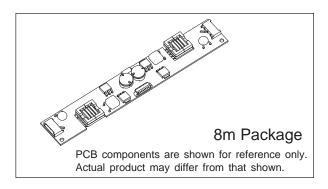
The ERG L2885 (8m Class) low profile dc to ac inverter is specifically designed to power the LG Philips LM150X05-C3 LCD display module to a moderate brightness level from a +12 volt dc source.

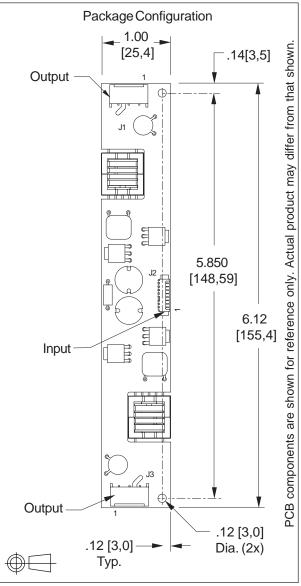
This low profile inverter features:

- ✓ Less Than 8 mm in Height
- ✓ LCD Module Specific
- ✓ Display Compatible Output Connector
- √ Firm Specifications
- ✓ Application Information
- Designed, Manufactured and Supported in the USA
- ✓ Custom Input and Output Voltages
- √ Flexible System Interface
- ✓ Notebook Display Head Compatible

Connectors					
Input Connector	Output Connector				
Molex 53261-0890	JST SM02(8.0)B-BHS-1-TB				
J2-1,2 Vin(+) J2-3,4 GND J2-5 Control J2-6,7,8 N/C	J1-1 ACout J3-1 ACout J1-2 N/C J3-2 N/C J1-3 ACout J3-3 ACout				

8m Class DC to AC Inverter





L2885

Rating	Symbol	Value	Units
Input Voltage Range	Vin	-0.3 to +13.2	Vdc
Operating Temperature	То	-0 to +85	°C
Storage Temperature	Tstg	-40 to +85	°C

Recommended Operating Conditions

Rating	Symbol	Value	Units
Input Voltage	Vin	+6 to 13.2	Vdc

Electrical Characteristics

Unless otherwise noted Vin = 12.00 Volts dc and Ta = 25°C

Characteristic	Symbol	Min	Тур	Max	Units
Input Current (note 1)	lin	-	.88	1.02	Adc
Operating Frequency	Fo	47	52	57	KHz
Minimum Output Voltage	Vout (min)	1300	-	-	Vrms
Efficiency	-	-	73	-	%
Output Current (per tube)	lout	-	8	-	marms
Output Voltage (When powering a load simulating the referenced display)	Vout	-	480	-	Vrms
Pin5 Input Current Requirement (note 2)	-	-	20	-	madc

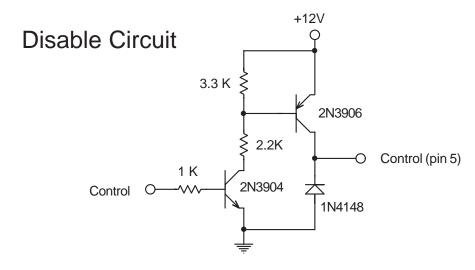
After tube has been allowed to warm-up for 5 minutes

Specifications subject to change without notice.

(Note 1) Input current in excess of maximum may indicate a load/inverter mismatch condition, which can result in reduced reliability. Please contact ERG technical support.

(Note 2) Control Pin Voltage is +Vin ON; GND OFF.

Input voltage specification modified for clarity 4/2004.





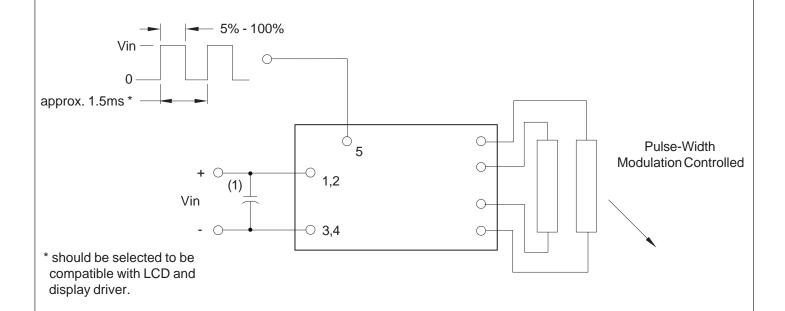
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Made in USA



Dimming Option



Note 1 Input by-pass capacitor (25uf - 100uf) may be required to reduce reflected ripple.



Endicott Research Group, Inc. (ERG) reserves the right to make changes in circuit design and/or specifications at any time without notice. Accordingly, the reader is cautioned to verify that data sheets are current before placing orders. Information furnished by ERG is believed to be accurate and reliable. However, no responsibility is assumed by ERG for its use.