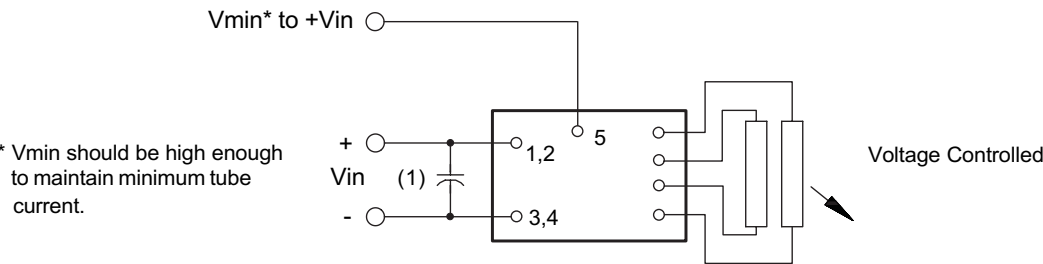
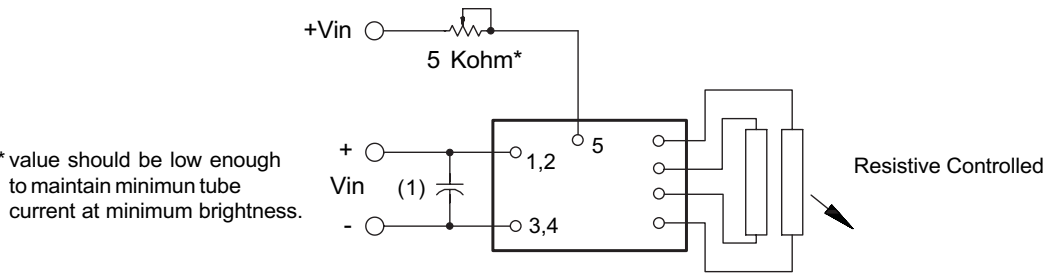
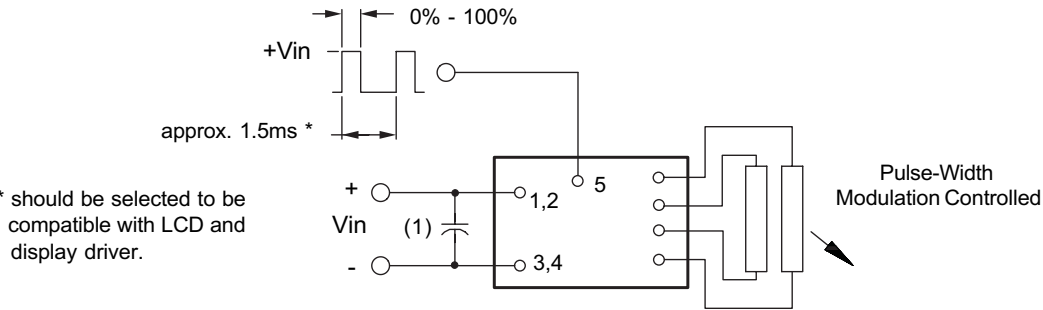


L2324

3 Dimming Options



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



Endicott Research Group, Inc.
2601 Wayne St., Endicott NY 13760
607-754-9187



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

Specifications and Applications Information

12/06/99 Preliminary

The ERG L2324 (8m Class) low profile dc to ac inverter is specifically designed to power the Sharp LQ150X1DG11 LCD display module to a moderate brightness level from a +12 volt dc source.

This low profile inverter features:

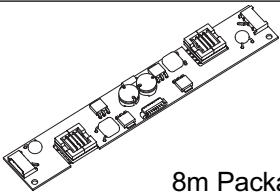
- ✓ Less Than 8 mm in Height
- ✓ LCD Module Specific
- ✓ Display Compatible Output Connector
- ✓ Firm Specifications
- ✓ Application Information
- ✓ Designed, Manufactured and Supported in the USA
- ✓ Custom Input and Output Voltages
- ✓ Flexible System Interface
- ✓ Notebook Display Head Compatible

Pin Descriptions

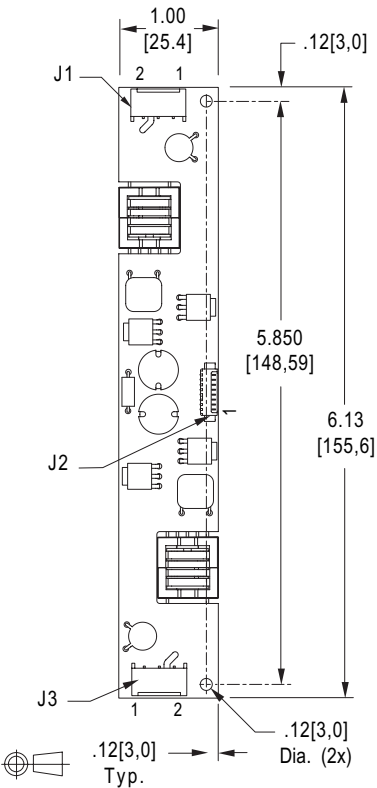
<u>Input Connector</u>		<u>Output Connectors</u>	
MOLEX 532-61-0890		JST SM02(8.0)B-BHS1TB	
J2-1	Vin	J1-1	ACout
J2-2	Vin	J1-2	Common
J2-3	GND		
J2-4	GND		
J2-5	Control		
J2-6-8	NC		

L2324

8m Class
DC to AC Inverter



Package Configuration



Absolute Maximum Ratings

Rating	Symbol	Value	Units
Input Voltage Range	V_{in}	-0.3 to +13.2	Vdc
Operating Temperature	T_o	0 to +70	°C
Storage Temperature	T_{stg}	-40 to +85	°C

Recommended Operating Conditions

Rating	Symbol	Value	Units
Input Voltage	V_{in}	+10 to 13.2	Vdc

Electrical Characteristics

Unless otherwise noted V_{in} = 12.00 Volts dc and T_a = 25 °C

Characteristic	Symbol	Min	Typ	Max	Units
Input Current	I_{in}	-	0.92	1.10	Adc
Operating Frequency	F_o	34	39	44	KHz
Minimum Output Voltage	$V_{out} (min)$	1500	-	-	V_{rms}
Efficiency	η	-	91	-	%
Output Current	I_{out}	-	7.5	-	marms
Output Voltage (with a load simulating the two tube Sharp LQ150X1DG11 display)	V_{out}	-	670	-	V_{rms}

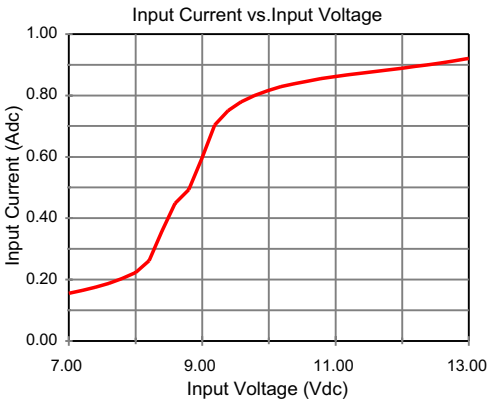
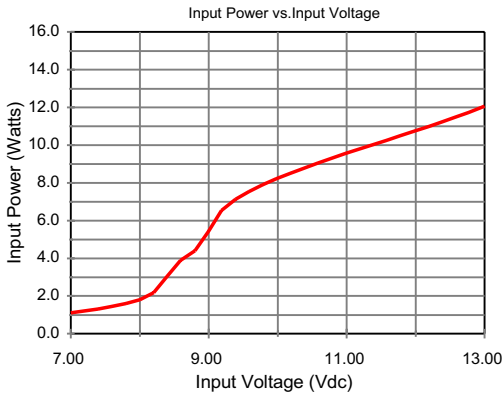
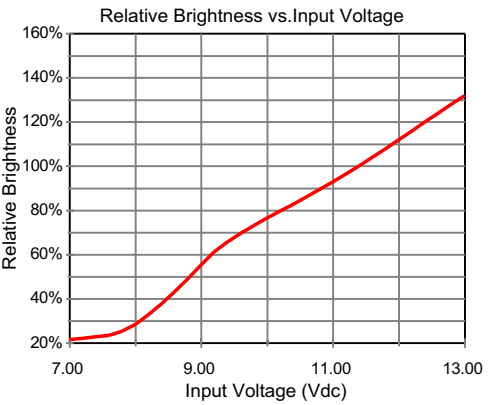
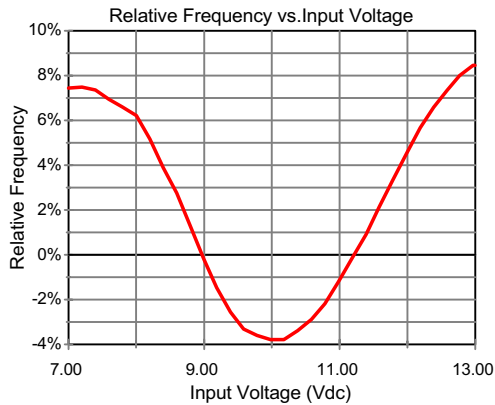
After tube has been allowed to warm-up for 5 minutes

Specifications subject to change without notice



Endicott Research Group, Inc.

Typical Performance Curves



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