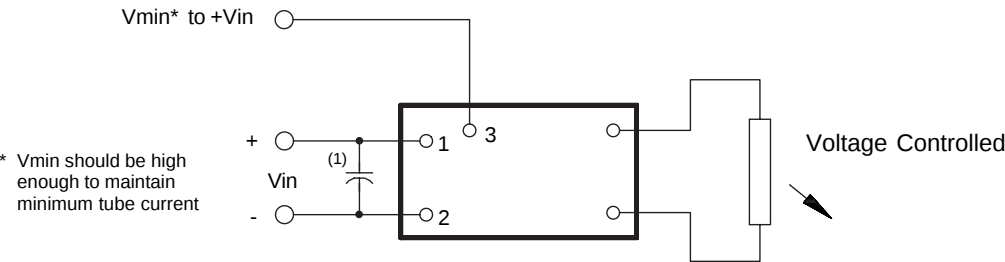
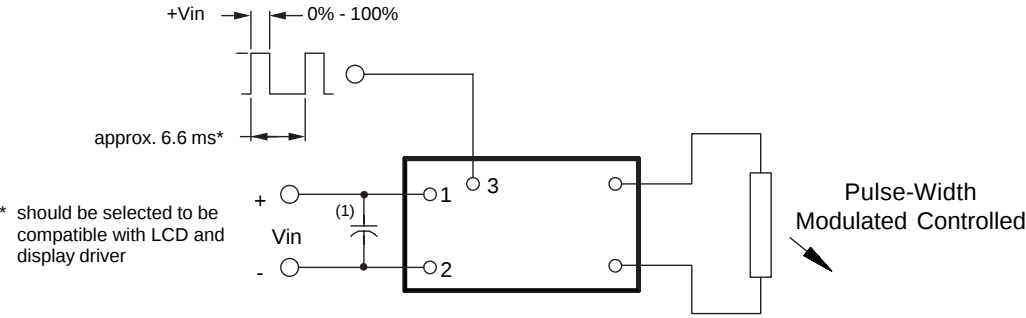


2 Dimming Options
(valid when the "C" jumper is removed)



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

8m051972



Endicott Research Group, Inc.
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<http://www.ergpower.com>

Specifications and
Applications Information

4/14/97

Preliminary

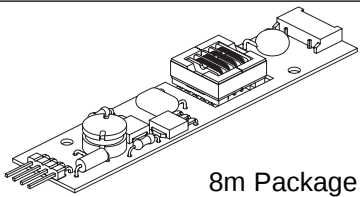
The ERG 8m051972 (*8m Class*) low profile dc to ac inverter is specifically designed to power the Sharp LQ10D367 LCD display module to a moderate brightness level from a +5 volt dc source.

This low profile inverter features:

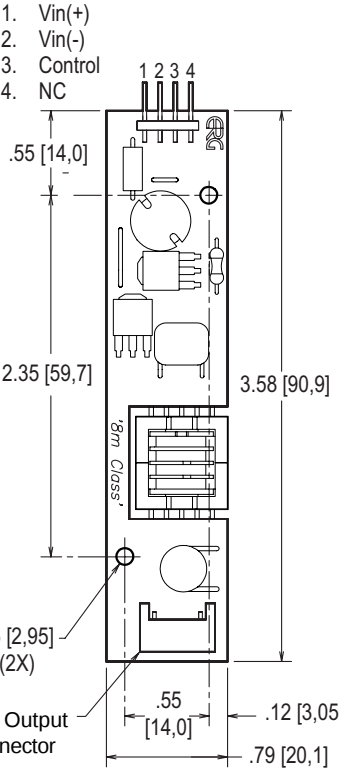
- ✓ Less Than 8 mm in Height
- ✓ LCD Module Specific
- ✓ Display Compatible Output Connector
- ✓ Firm Specifications
- ✓ Application Information
- ✓ Made in U.S.A.
- ✓ Factory Support
- ✓ Custom Input and Output Voltages
- ✓ Flexible System Interface
- ✓ Notebook Display Head Compatible

8m051972

8m Class
DC to AC Inverter



Package Configuration



Absolute Maximum Ratings

Rating	Symbol	Value	Units
Input Voltage Range	Vin	-0.3 to +6	Vdc
Operating Temperature	To	0 to +70	°C
Storage Temperature	Tstg	-40 to +85	°C

Recommended Operating Conditions

Rating	Symbol	Value	Units
Input Voltage	Vin	+3 to 5.5	Vdc

Electrical Characteristics

Unless otherwise noted Vin = 5.00 Volts dc and Ta = 25°C

Characteristic	Symbol	Min	Typ	Max	Units
Input Current	Iin	-	0.83	0.92	Adc
Operating Frequency	Fo	36	41	46	KHz
Minimum Output Voltage	Vout (min)	1400	-	-	Vrms
Inverter Efficiency	η	-	80		%
Tube Operating Current	Io	-	6.0	-	marms
Tube Sustaining Voltage ** (When powering a Sharp LQ10D367 display.)	Vs	-	500	-	Vrms

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

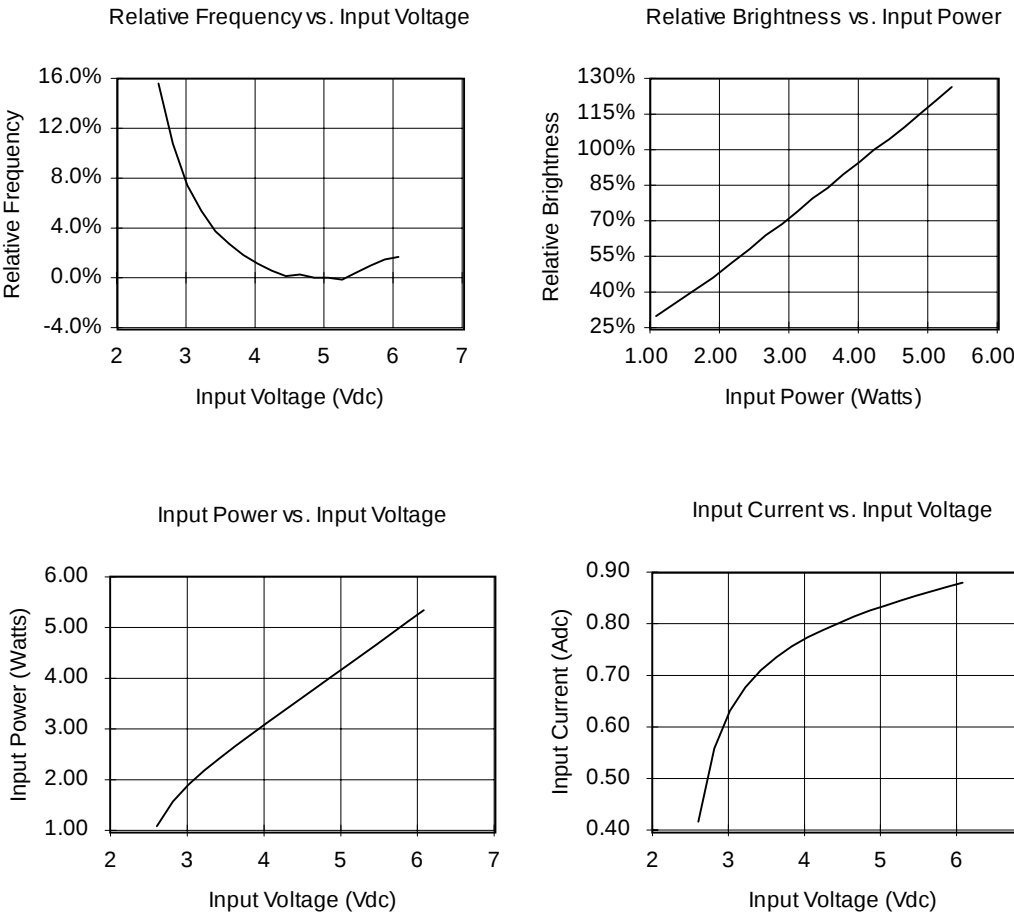
** Measured, not guaranteed.
Specifications subject to change without notice



Endicott Research Group, Inc.

Made in USA

Typical Performance Curves



Endicott Research Group, Inc.