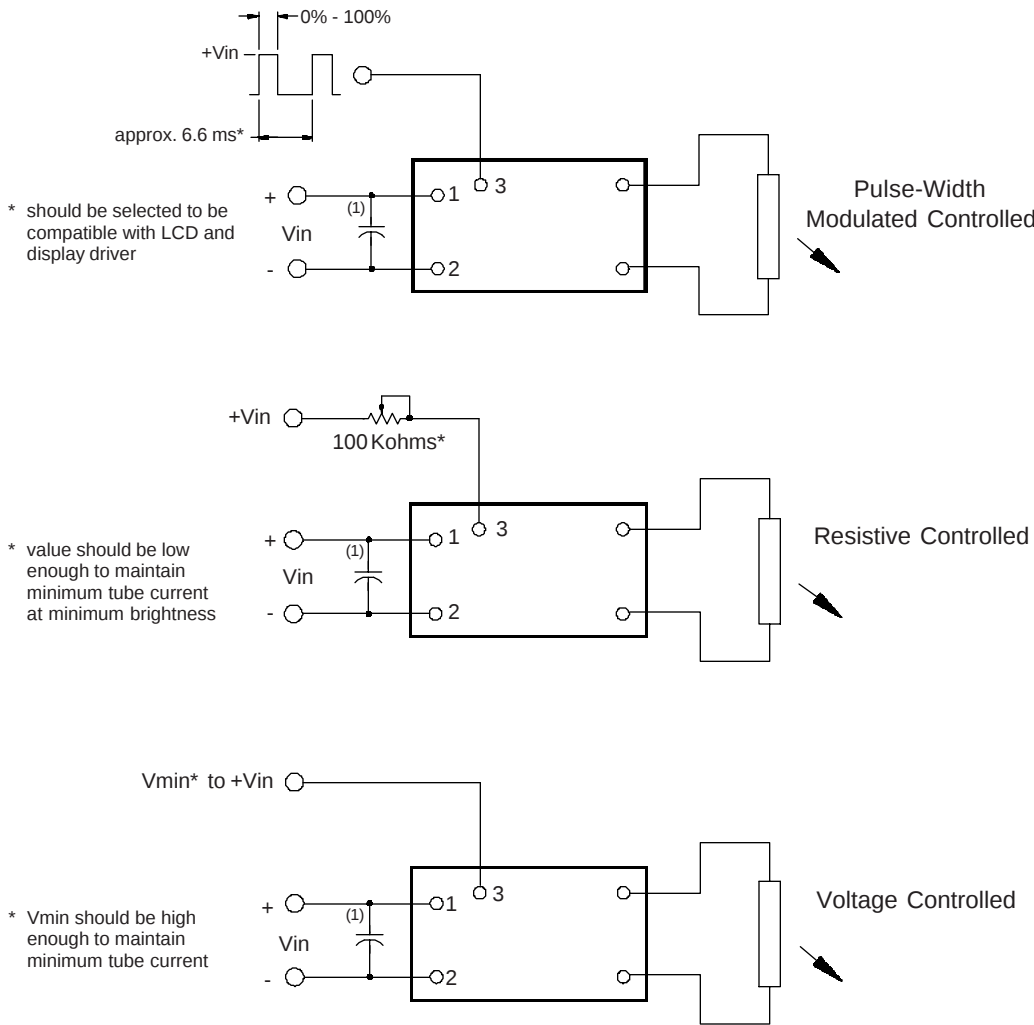


3 Dimming Options



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

8m121920



Endicott Research Group, Inc.
2601 Wayne St., Endicott NY 13760
607-754-9187 Fax 607-754-9255

Specifications and Applications Information

12/18/96 Preliminary

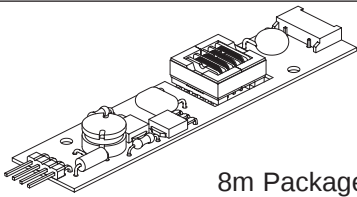
The ERG 8m121920 (8m Class) low profile dc to ac inverter is specifically designed to power the Hosiden HLM7048 LCD display module to a moderate brightness level from a +12 volt dc source.

This low profile inverter features:

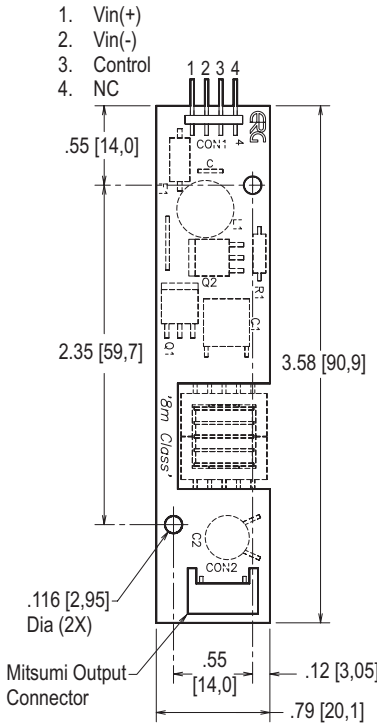
- ✓ Less Than 8 mm in Height
- ✓ LCD Module Specific
- ✓ Display Compatible Output Connector
- ✓ Firm Specifications
- ✓ Application Information
- ✓ Made in U.S.A.
- ✓ Factory Support
- ✓ Custom Input and Output Voltages
- ✓ Flexible System Interface
- ✓ Notebook Display Head Compatible

8m121920

8m Class
DC to AC Inverter



Package Configuration



Absolute Maximum Ratings

Rating	Symbol	Value	Units
Input Voltage Range	Vin	-0.3 to +15	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	+6 to 13.2	Vdc

Electrical Characteristics

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

Characteristic	Symbol	Min	Typ	Max	Units
Input Current	Iin	-	0.1	0.11	Adc
Operating Frequency	Fo	30	35	40	KHz
Minimum Output Voltage	Vout (min)	800	-	-	Vrms
Efficiency	η	-	80		%
Output Current	Iout	-	5.25	-	marms
Output Voltage (When Powering a Hosiden HLM7048 display)	Vout	-	180	-	Vrms

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

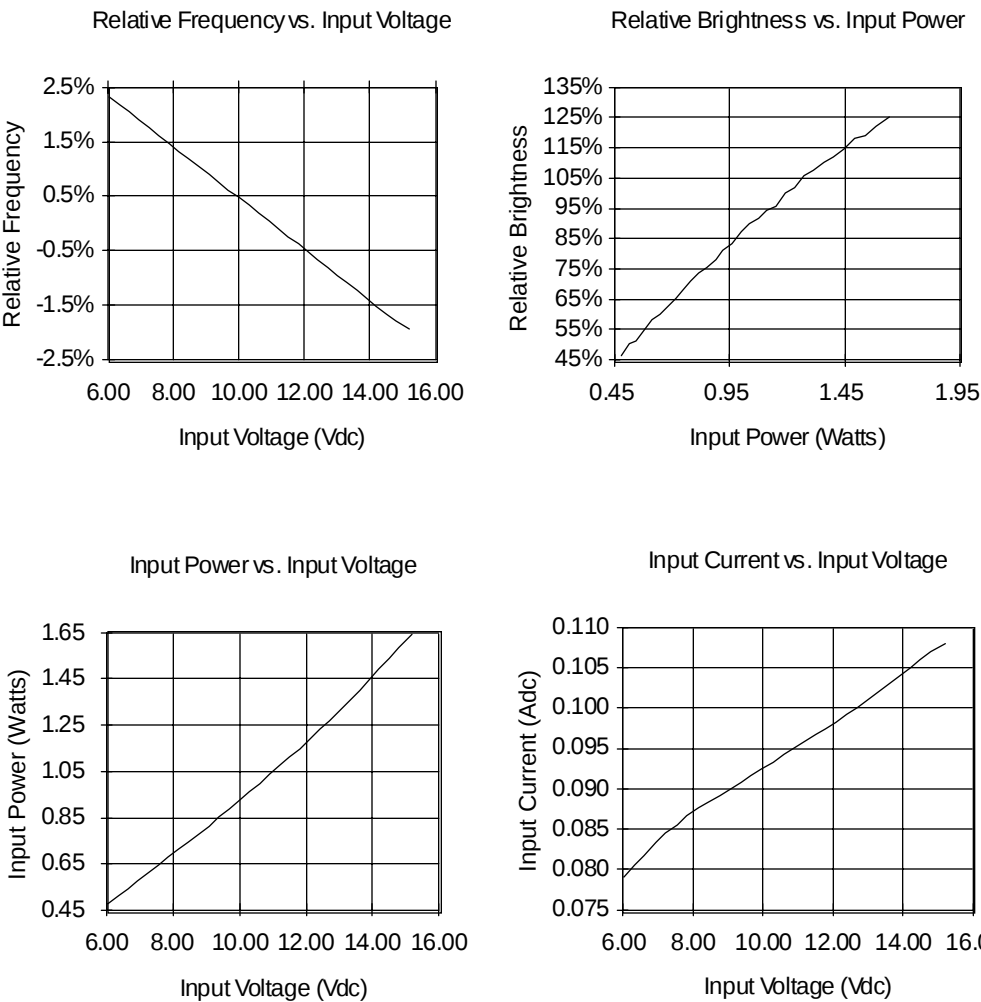
Specifications subject to change without notice



Endicott Research Group, Inc.

Made in USA

Typical Performance Curves



Endicott Research Group, Inc.