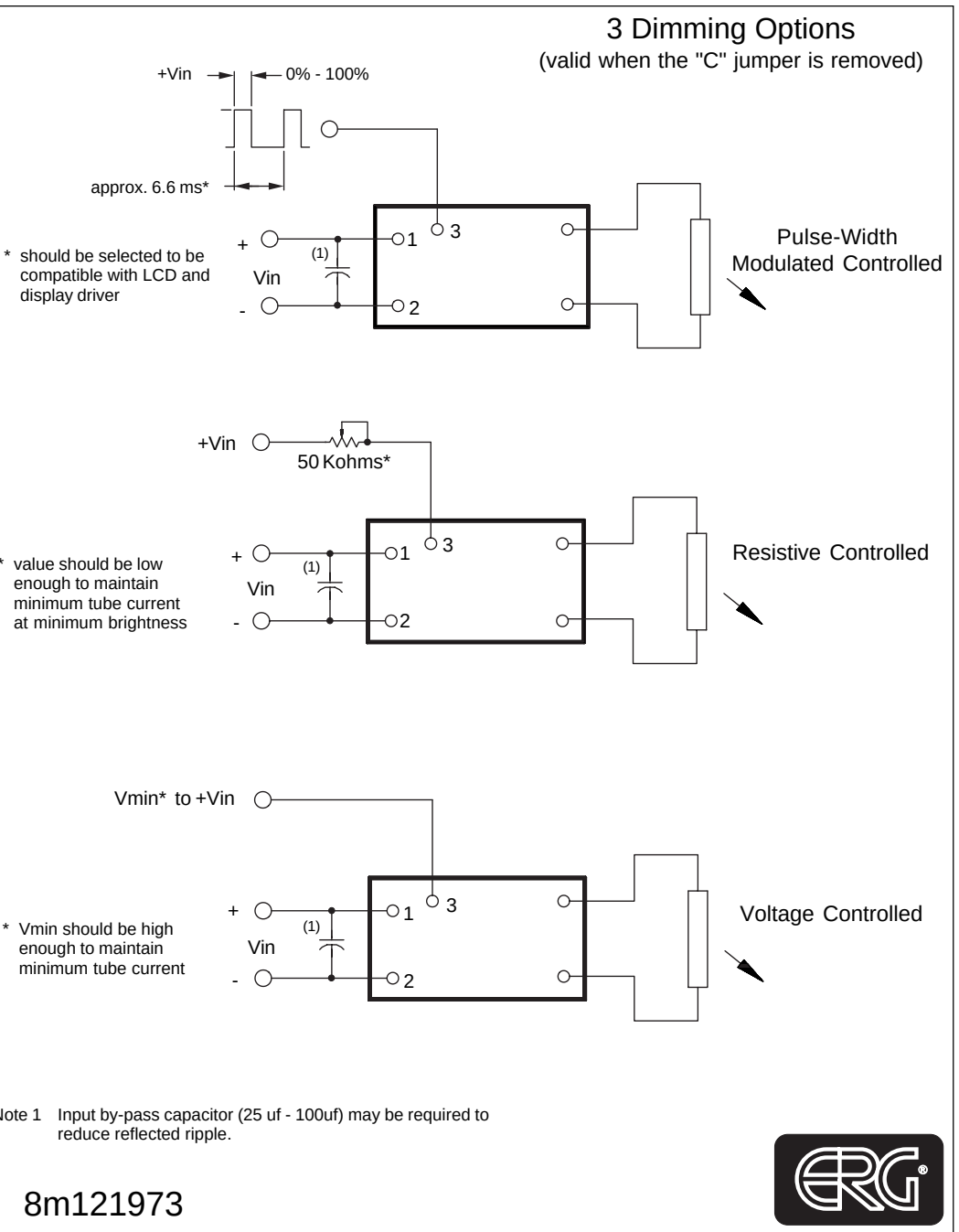


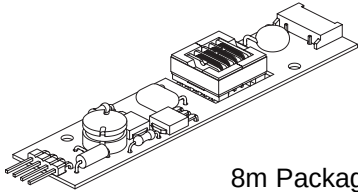




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8m121973

8m Class
DC to AC Inverter



8m Package

Package Configuration

1. Vin(+)

2. Vin(-)

3. Control

4. NC

.55 [14,0]

2.35 [59,7]

.116 [2,95]
Dia (2X)

.55 [14,0]

.12 [3,05]

.79 [20,1]

3.58 [90,9]

JST Output Connector

Specifications and Applications Information

6/2/97 Preliminary

The ERG 8m121973 (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 +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

8m121973



page 4.

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	-	0.31	0.34	Adc
Operating Frequency	Fo	39	44	49	KHz
Minimum Output Voltage	Vout (min)	1400	-	-	Vrms
Inverter Efficiency	η	-	91		%
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

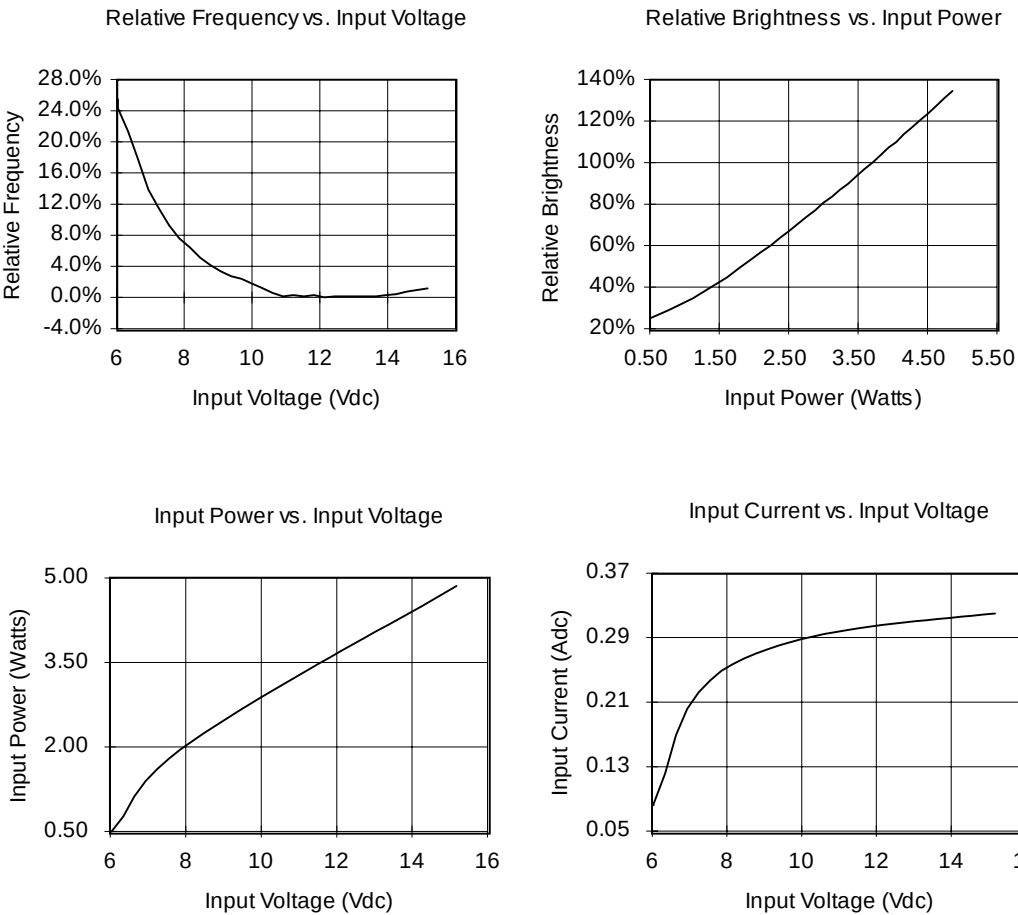
** Measured, not guaranteed.
Specifications subject to change without notice



Endicott Research Group, Inc.

Made in USA

Typical Performance Curves



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