

+Vin  10 Kohms*

 V_{min}^* to $+V_{in}$ ○

8m121665



<http://www.ergpower.com>

Preliminary

- ✓ Less Than 8 mm in Height
- ✓ LCD Module Specific
- ✓ Display Compatible Output Connector
- ✓ High Efficiency (80% - 85%)
- ✓ Firm Specifications
- ✓ Application Information
- ✓ Made in U.S.A.
- ✓ Factory Support
- ✓ Custom Input and Output Voltages
- ✓ Flexible System Interface
- ✓ Notebook Display Head Compatible

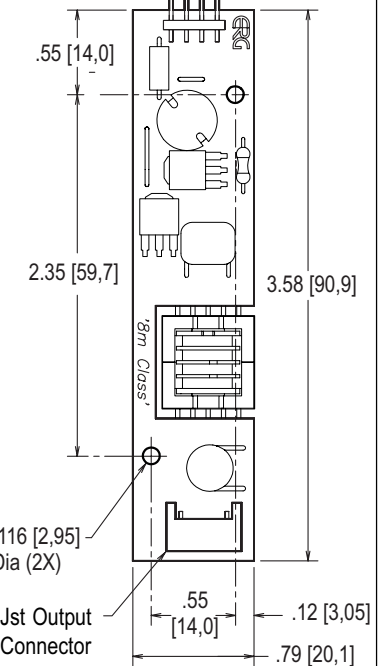
E1665 12 volt input

8m Class

DC to AC Inverter



1. Vin(+)
2. Vin(-)
3. Contro
4. NC



8m121665

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	-	0.24	0.27	Adc
Operating Frequency	Fo	38	43	48	KHz
Minimum Output Voltage	Vout (min)	1220	-	-	Vrms
Efficiency	η	-	88		%
Output Current	Iout	-	5.4	-	marms
Output Voltage (When Powering a Sharp LQ9D021 display)	Vout	-	470	-	Vrms

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

Specifications subject to change without notice

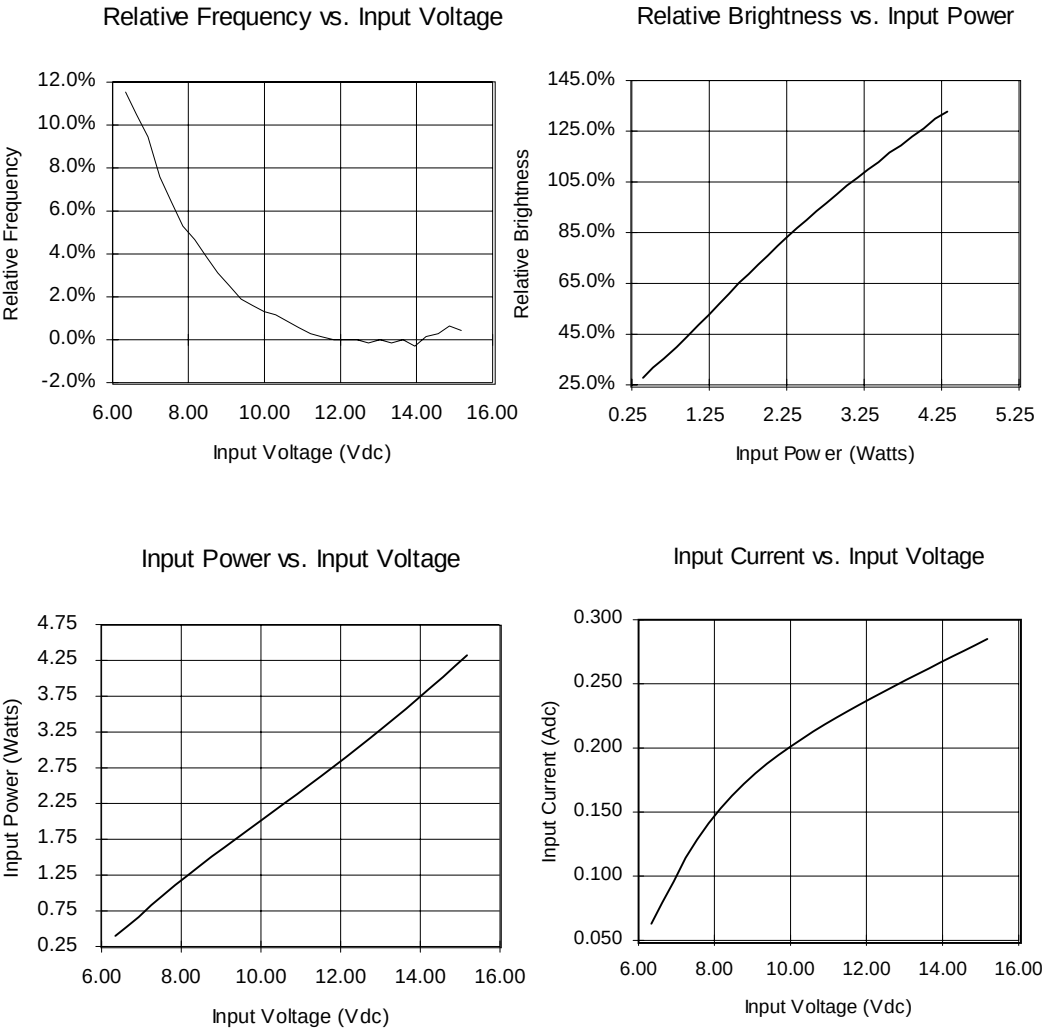


Endicott Research Group, Inc.

Made in USA

8m121665

Typical Performance Curves



Endicott Research Group, Inc.