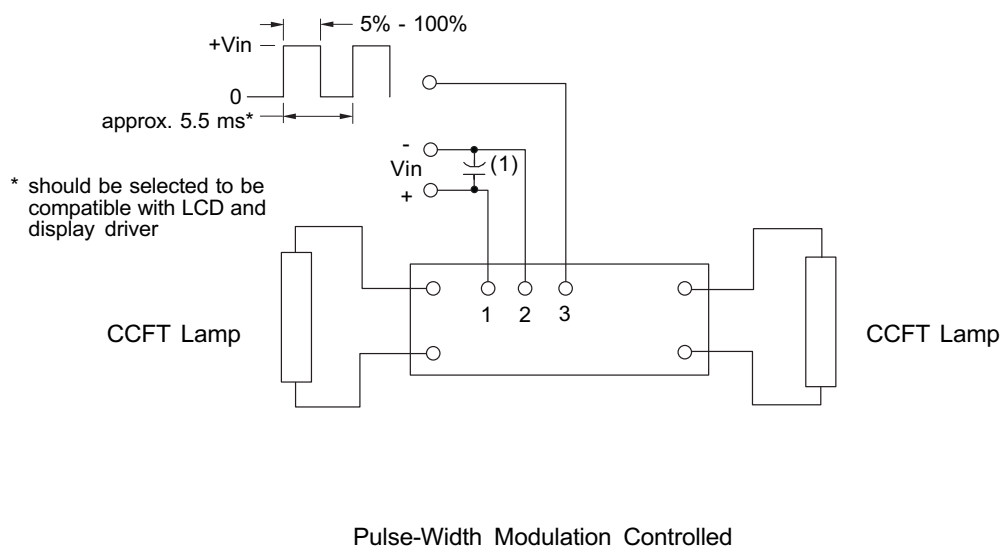


K2463

Dimming Option



* 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
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2601 Wayne St., Endicott NY 13760
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Specifications and
Applications Information

10/31/00

Preliminary

The ERG K2463 (*8m Class*) low profile dc to ac inverter is specifically designed to power the NEC NL6448BC20-08 LCD display module to a moderate brightness level from a +5 volt dc source.

This low profile inverter features:

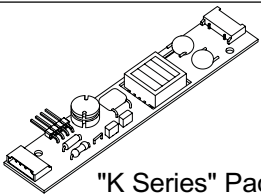
- ✓ Less Than 8 mm in Height
- ✓ LCD Module Specific
- ✓ Display Compatible Output Connector
- ✓ Firm Specifications
- ✓ Application Information
- ✓ Designed, Manufactured and Supported in the USA
- ✓ Custom Input and Output Voltages
- ✓ Flexible System Interface
- ✓ Notebook Display Head Compatible

Pin Descriptions

Input Connector	Output Connectors	
4 pins are 0.315" [8,00] Long, 0.025" [0,63] Square and are on 0.100" [2,54] Centers.	JST SM02(8.0)B-BHS-1-TB	
J1-1 Vin(+)	J2-1 ACout	J3-1 ACout
J1-2 GND	J2-2 NC	J3-2 NC
J1-3 Control	J2-3 NC	J3-3 NC
J1-4 NC	J2-4 ACout	J3-4 ACout

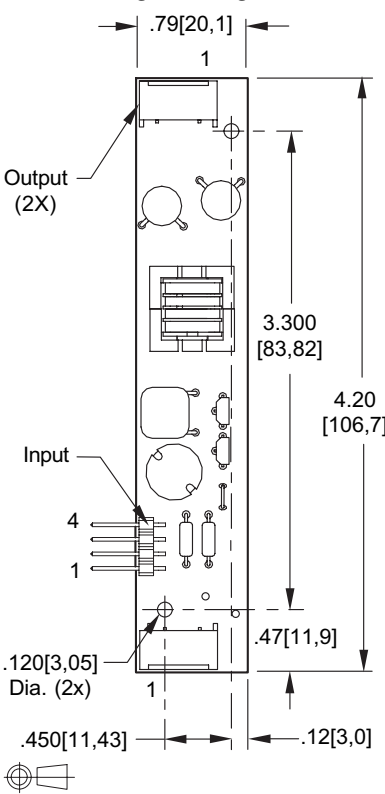
K2463

8m Class
2 Tube DC to AC Inverter



"K Series" Package

Package Configuration



K2463

Absolute Maximum Ratings

Rating	Symbol	Value	Units
Input Voltage Range	Vin	-0.3 to +5.5	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	+2.5 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	lin	-	1.0	1.2	Adc
Operating Frequency	Fo	40	45	50	KHz
Minimum Output Voltage	Vout (min)	1000	-	-	Vrms
Efficiency	η	-	80	-	%
Output Current (per tube)	lout	-	5	-	marms
Output Voltage (When powering a load simulating the referenced display.)	Vout	-	400	-	Vrms
Pin3 Input Current Requirement	-	-	11	-	madc

After tube has been allowed to warm-up for 5 minutes. Specifications subject to change without notice.
External Disable Circuit shown on page 3.

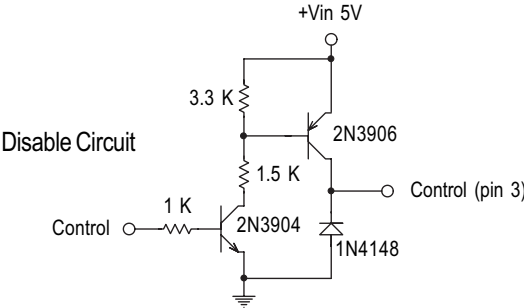
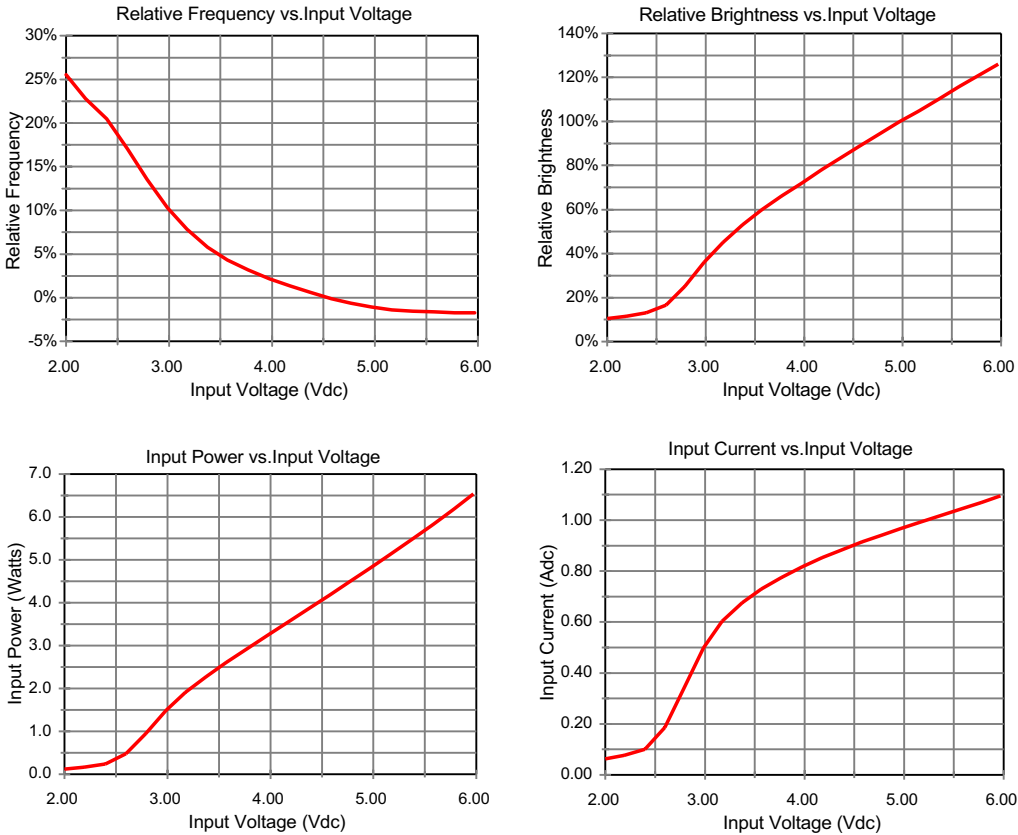


Endicott Research Group, Inc.

Made in USA

Typical Performance Curves

K2463



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