

8M122282

3 Dimming Options

(valid when the "C" jumper is removed)

0% - 100%

+Vin

approx. 1.5 ms*

* should be selected to be compatible with LCD and display driver

+ Vin

(1)

1 2 3

Pulse-Width
Modulated Controlled

+Vin

100 Kohms*

1 2 3

* value should be low enough to maintain minimum tube current at minimum brightness

+ Vin

(1)

1 2 3

Resistive Controlled

Vmin* to +Vin

(1)

1 2 3

* Vmin should be high enough to maintain minimum tube current

+ Vin

(1)

1 2 3

Voltage Controlled

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

Endicott Research Group, Inc.

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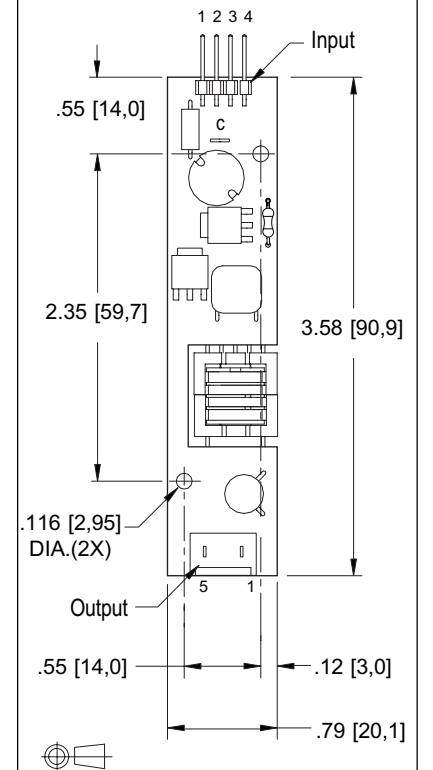
607-754-9187



Preliminary

- ✓ 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

Con2-1 ACout
Con2-5 AC common



Absolute Maximum Ratings

Rating	Symbol	Value	Units
Input Voltage Range	V_{in}	-0.3 to +14	Vdc
Operating Temperature	T_o	0 to +70	°C
Storage Temperature	T_{stg}	-40 to +85	°C

Recommended Operating Conditions

Rating	Symbol	Value	Units
Input Voltage	V_{in}	+6 to 13.2	Vdc

Electrical Characteristics

Unless otherwise noted V_{in} = 12.00 Volts dc and T_a = 25 °C

Characteristic	Symbol	Min	Typ	Max	Units
Input Current	I_{in}	-	.27	.31	Adc
Operating Frequency	F_o	36	41	46	KHz
Minimum Output Voltage	$V_{out} \text{ (min)}$	1300	-	-	V_{rms}
Efficiency	η	-	83	-	%
Output Current	I_{out}	-	5.25	-	marms
Output Voltage (when Powering a Load Simulating the characteristics of the referenced display)	V_{out}	-	510	-	V_{rms}

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

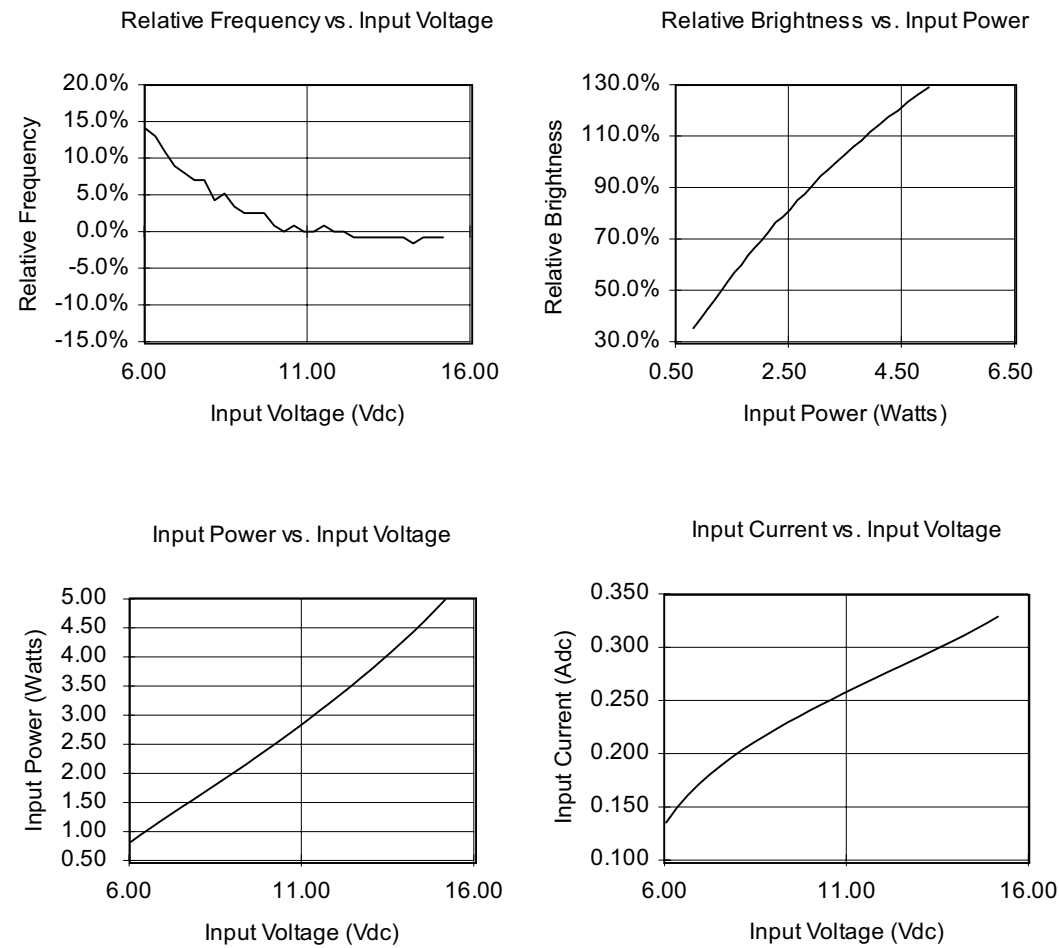
Specifications subject to change without notice



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Made in USA

Typical Performance Curves



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