

8m122468

3 Dimming Options

(valid when the "C" jumper is removed)

5% - 100%

+Vin

approx. 5 ms*

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

100 Kohms*

5,6

1,2

3,4

+

Vin

-

Pulse-Width Modulated Controlled

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

Vmin* to +Vin

5,6

1,2

3,4

+

Vin

-

Voltage Controlled

* Vmin should be high enough to maintain minimum tube current

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

Endicott Research Group, Inc.

2601 Wayne St., Endicott NY 13760

607-754-9187



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Absolute Maximum Ratings

Rating	Symbol	Value	Units
Input Voltage Range	Vin	-0.3 to +13.2	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	-	.37	.43	Adc
Operating Frequency	Fo	29	34	39	KHz
Minimum Output Voltage	Vout (min)	1450	-	-	Vrms
Efficiency	η	-	82	-	%
Output Current	Iout	-	5	-	marms
Output Voltage (when Powering a Load simulating the referenced display)	Vout	-	725	-	Vrms
Pin5,6 Input Current Requirement	-	-	10	-	madc

After tube has been allowed to warm-up for 5 minutes
External Disable Circuit shown on page 3.

Specifications subject to change without notice.



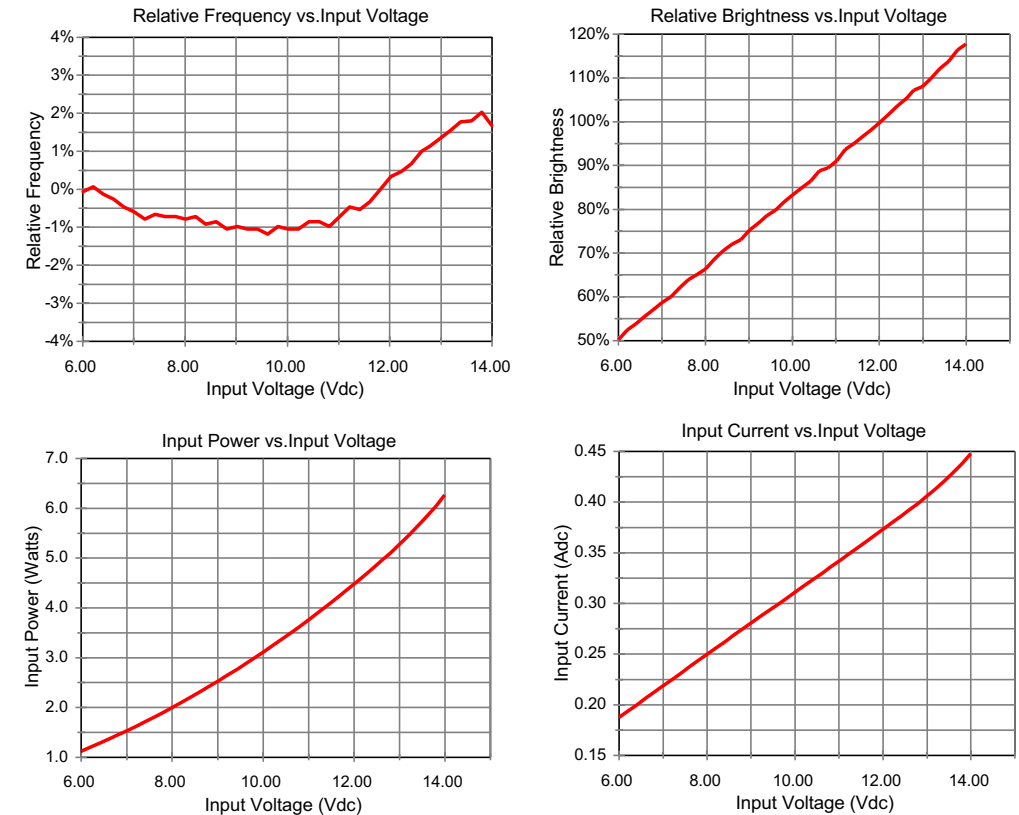
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Made in USA

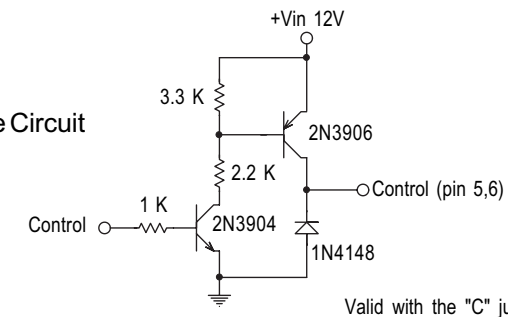
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Typical Performance Curves

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Disable Circuit



Valid with the "C" jumper removed



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