

8M122249

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

Pulse-Width Modulated Controlled

+Vin
100 Kohms*
+ Vin
(1)
-
2

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

Resistive Controlled

Vmin* to +Vin
+ Vin
(1)
-
2

* Vmin should be high enough to maintain minimum tube current

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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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_{slg}	-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}	-	.09	.11	Adc
Operating Frequency	F_o	25	30	35	KHz
Minimum Output Voltage	$V_{out} (min)$	1000	-	-	V_{rms}
Efficiency	η	-	86	-	%
Output Current	I_{out}	-	3.3	-	marms
Output Voltage (when Powering a Unipac UP40D01display)	V_{out}	-	280	-	V_{rms}

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

Specifications subject to change without notice

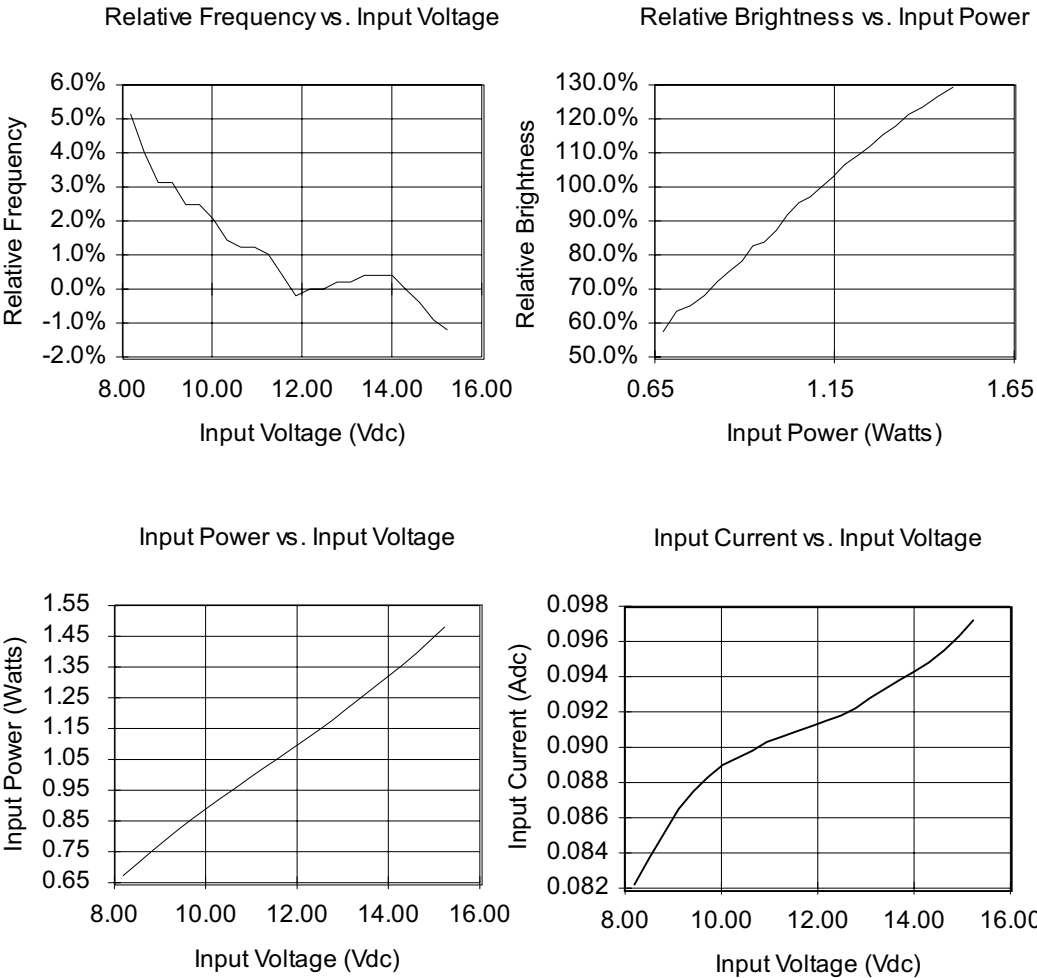


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Made in USA

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Typical Performance Curves



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