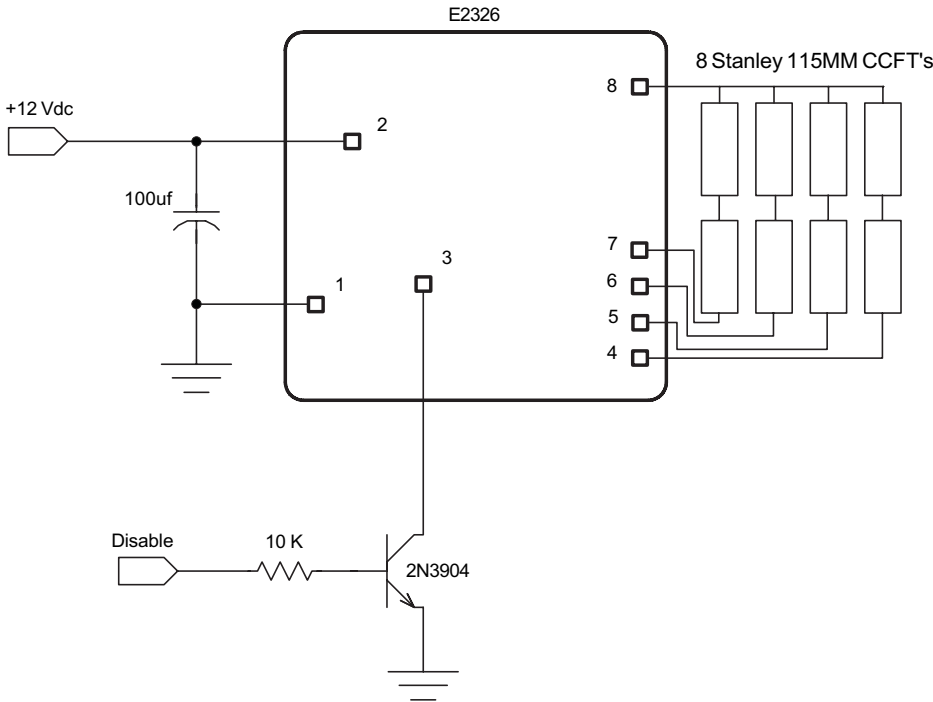


E2326

Connection Diagram



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E2326

Specifications and
Applications Information

11/19/99

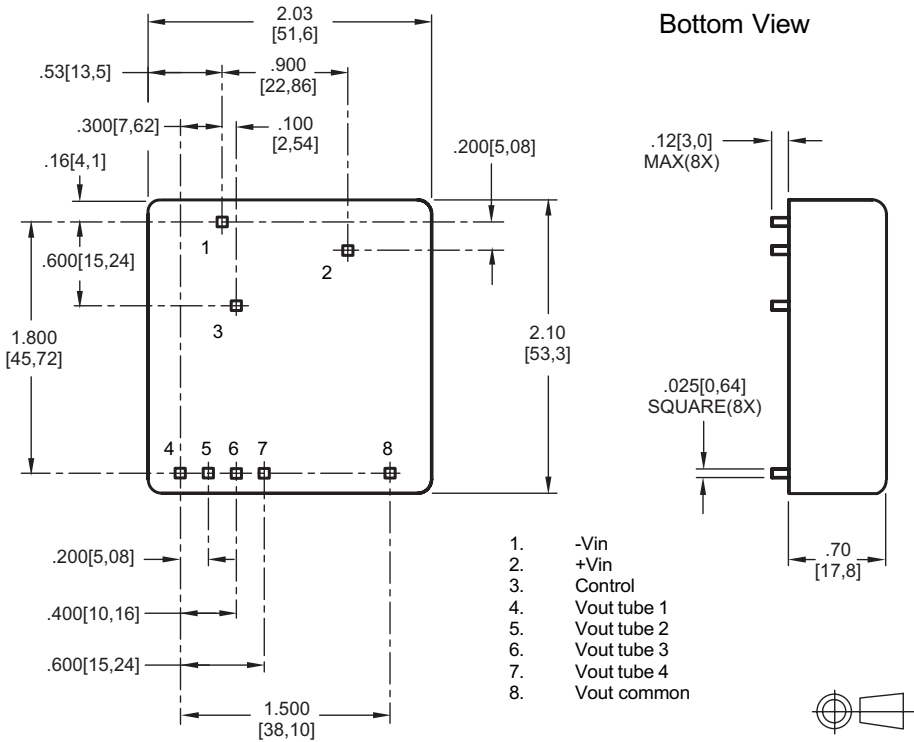
Preliminary

Eight Tube
DC to AC Inverter

The ERG E2326 dc to ac inverter is specifically designed to power 8 Stanley 115mm CCF Tubes, with 4 groups of 2 connected in series, to a nominal brightness level from a +12 volt dc source.

The E2326's small size and encapsulated package makes it the ideal power source for applications where small size, high efficiency and reliability are critical.

Package Configuration



E2326

Absolute Maximum Ratings

Rating	Symbol	Value	Units
Input Voltage Range	V _{in}	-0.3 to +15	Vdc
Operating Temperature	T _o	-40 to +70	°C
Storage Temperature	T _{stg}	-55 to +85	°C

Recommended Operating Conditions

Rating	Symbol	Value	Units
Input Voltage	V _{in}	+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	I _{in}	-	1.12	1.30	Adc	INVERTER SECTION
Operating Frequency	F _o	23.5	26.0	29.5	KHz	
Tube Starting Voltage *	V _{start}	1300	-	-	V _{rms}	
Efficiency	η	-	87.5	-	%	
Output Current (thru each of the 8 tubes in the EDI Display)	I _{out}	-	6	-	marms	
Tube Sustaining Voltage ** (per each of 4 output pins on the E2326 inverter)	V _{sustain}	-	490	-	V _{rms}	SHUT-DOWN SECTION
CCFT Control Level (Pin 3) CCFT Output Off CCFT Output On		2.2		1.5	Vdc	
CCFT Control Pin Sink Current			1.1	1.4	madc	

After tube has been allowed to warm up for 5 minutes.
* Valid over entire operating temp. range.

** Measured, not gauranteed.
Specification subject to change without notice.

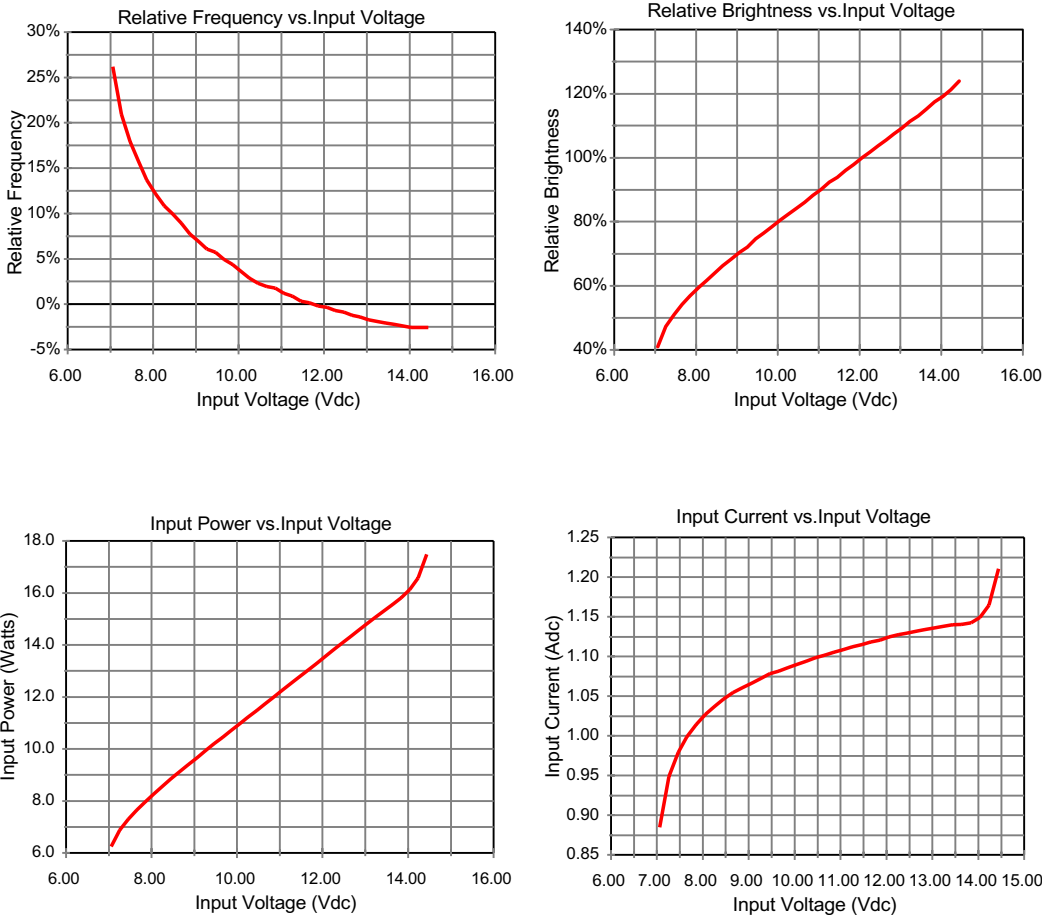


Endicott Research Group, Inc.

Made in USA

E2326

Typical Performance Curves



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