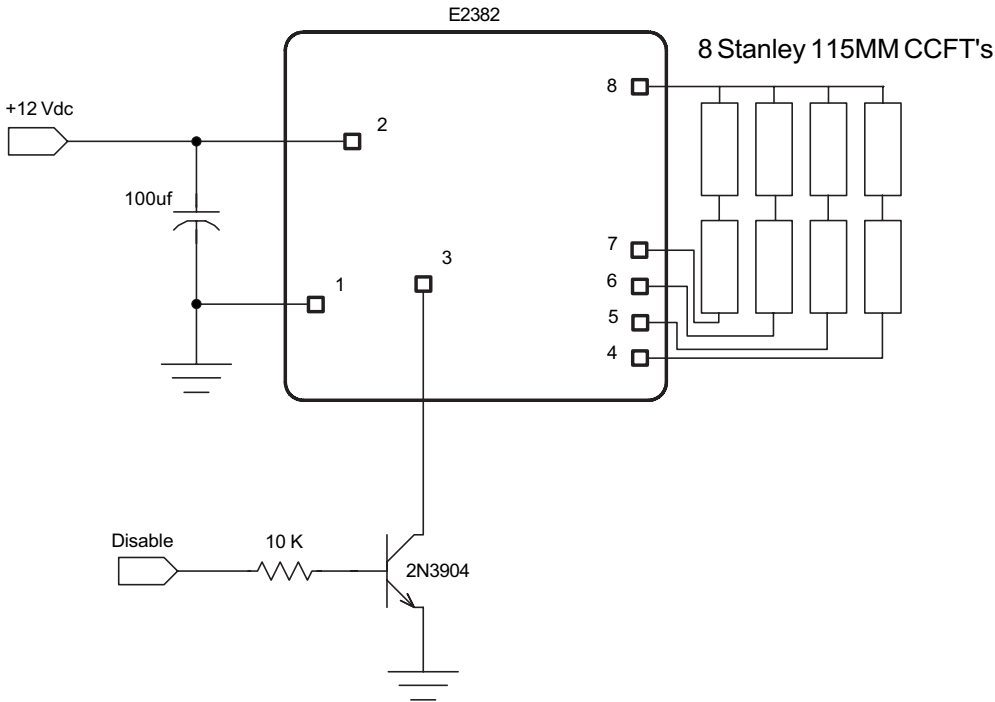


E2382

Connection Diagram



Endicott Research Group, Inc.
2601 Wayne St., Endicott NY 13760
607-754-9187



Endicott Research Group, Inc.
2601 Wayne St., Endicott NY 13760
607-754-9187 Fax 607-754-9255
<http://www.ergpower.com>

E2382

Specifications and
Applications Information

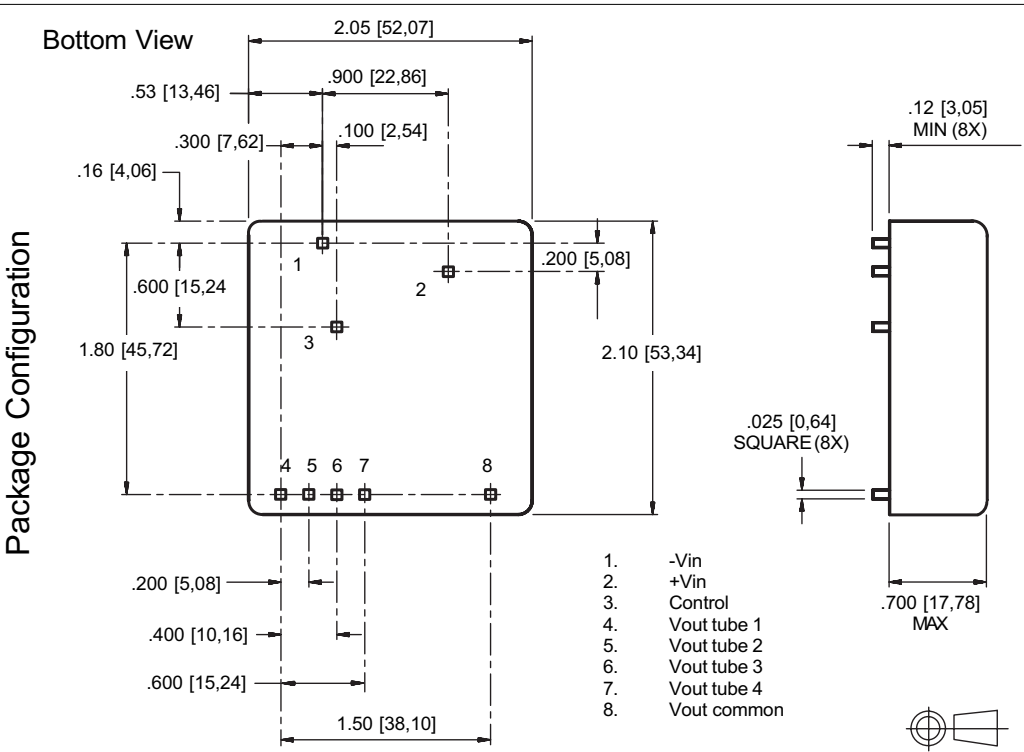
02/26/01

Preliminary

Eight Tube
DC to AC Inverter

The ERG E2382 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 E2382's small size and encapsulated package makes it the ideal power source for applications where small size, high efficiency and reliability are critical.



Absolute Maximum Ratings

Rating	Symbol	Value	Units
Input Voltage Range	Vin	-0.3 to +13.2	Vdc
Operating Temperature	To	-40 to +70	°C
Storage Temperature	Tstg	-55 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	-	1.12	1.30	Adc
Operating Frequency	Fo	23.5	26.0	29.5	KHz
Minimum Output Voltage	Vout (min)	1300	-	-	Vrms
Efficiency	η	-	87.5	-	%
Output Current (per output 4x)	Iout	-	6	-	marms
Output Voltage (when powering two Stanley 115mm CCF tubes connected in series.)	Vout	-	490	-	Vrms

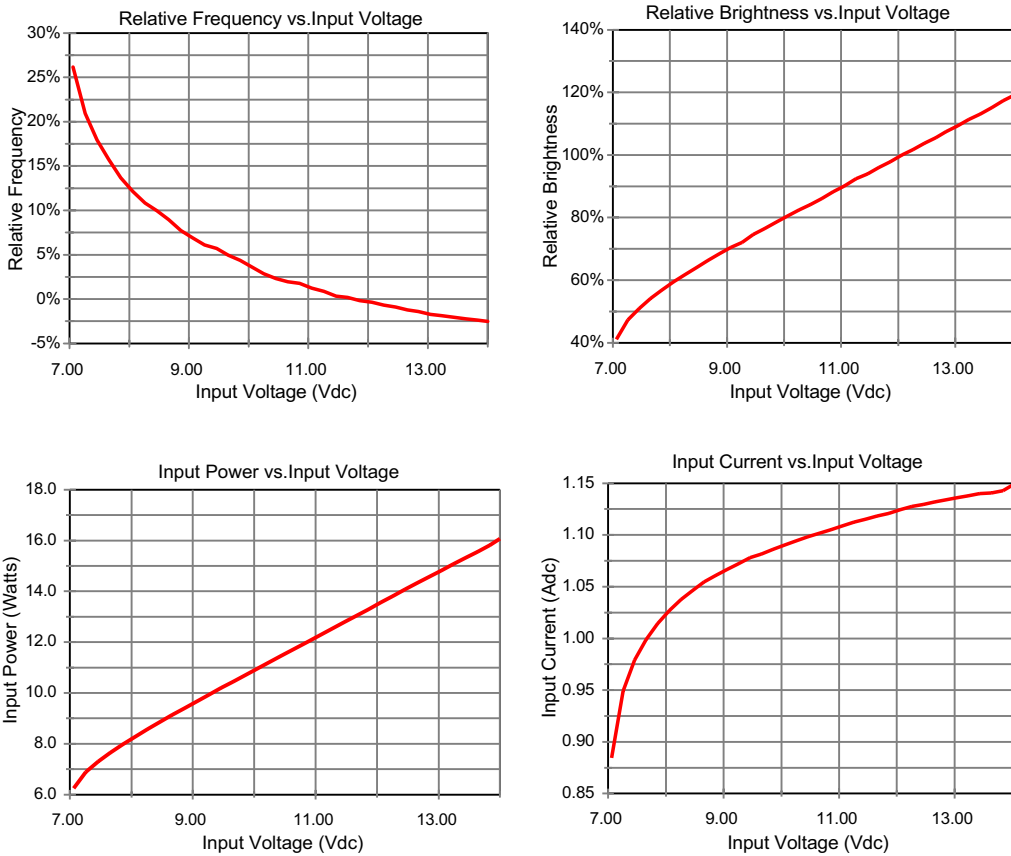
After tube has been allowed to warm-up for 5 minutes Specifications subject to change without notice



Endicott Research Group, Inc.

Made in USA

Typical Performance Curves



Endicott Research Group, Inc.

Made in USA