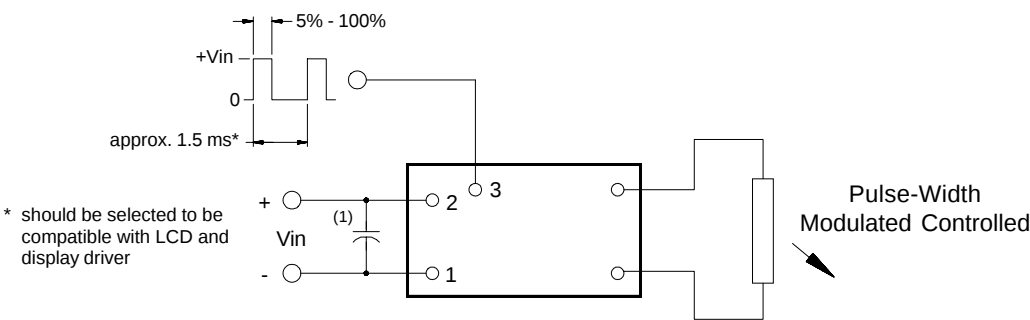


S2335

Dimming Option



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

S2335

Specifications and
Applications Information

1/28/00

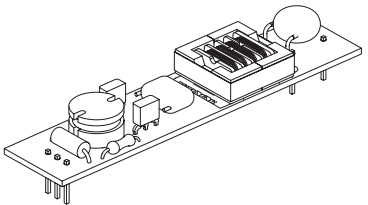
Preliminary

8m Class
DC to AC Inverter

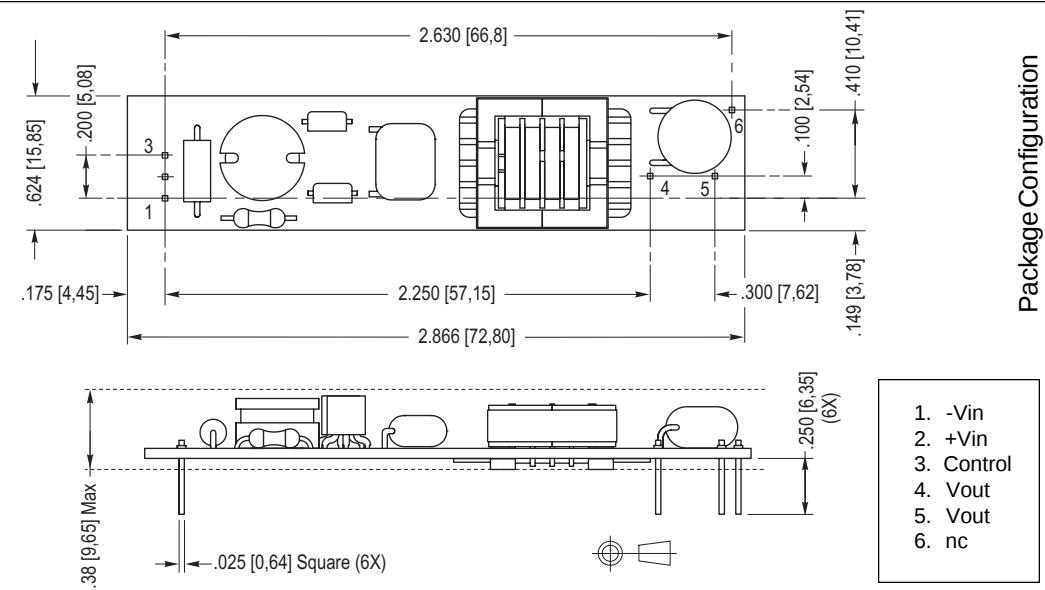
The ERG S2335 (*S-Series*) low profile dc to ac inverter is specifically designed to power the Kyocera KCB060VG1CB-A00 LCD display module to a moderate brightness level from a +3.5 volt dc source.

This low profile inverter features:

- ✓ 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



S-Series



Absolute Maximum Ratings

Rating	Symbol	Value	Units
Input Voltage Range	Vin	-0.3 to +4.5	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	+3.0 to 4.2	Vdc

Electrical Characteristics

Unless otherwise noted Vin = 3.5 Volts dc and Ta = 25 °C

Characteristic	Symbol	Min	Typ	Max	Units
Input Current	Iin	-	1.10	1.25	Adc
Operating Frequency	Fo	53	58	63	KHz
Minimum Output Voltage	Vout (min)	850	-	-	Vrms
Efficiency	η	-	72	-	%
Output Current	Iout	-	5.2	-	marms
Output Voltage (When powering a load simulating the referenced display.)	Vout	-	535	-	Vrms
Pin3 Input Current Requirement	-	-	13	-	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.

Typical Performance Curves

