

D Series



12 Volt Input Dc to Ac Inverter

D8mAD60J3

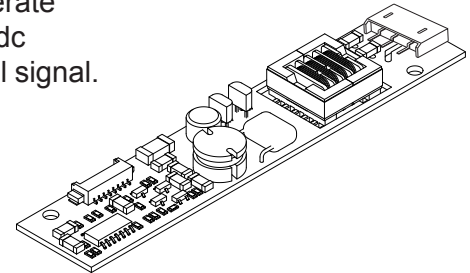
The D8mAD60J3 is a generic dc to ac inverter designed to generate 6 mArms into a 500 - 700 volt load (CCFL) from a nominal 12 Vdc source. It can be easily dimmed using an external analog control signal.

FEATURES

- Low Profile
- Display compatible connector
- High efficiency

PHYSICAL SPECIFICATIONS

Size:	.79" x 3.93" x .32"
(without input connector)	(20,1mm x 99,8mm x 8mm)
Weight:	15 grams
Component Surface Temperature:	-20° to +80°C
Storage Temperature:	-40° to +85°C
Humidity:	95% RH Max



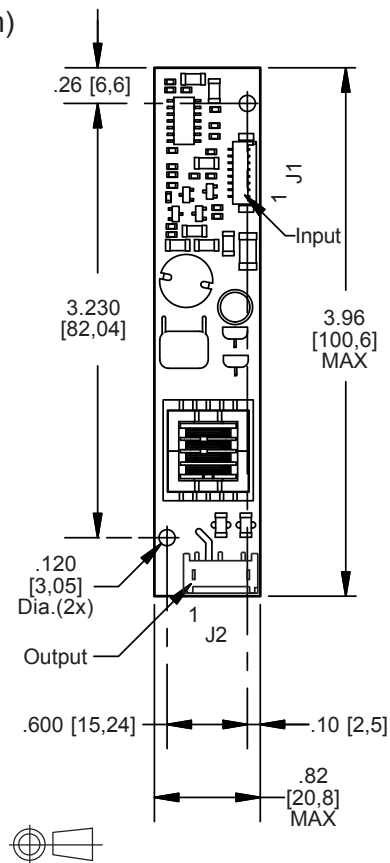
Characteristics	Value	Units	Note(s)
Input Voltage	10.8 - 12.6	Vdc	
Input Current	0.71 typ	Adc	$R_L = 100 \text{ kOhms}$
Minimum No Load Output Voltage	1500	Vrms	$V_{in} = 12.00 \text{ Vdc}$
Frequency	42 typ	kHz	$V_{in} = 12.00 \text{ Vdc}$
Output Current	6.0	mArms	$R_L = 100 \text{ kOhms}$
Efficiency	85	%	Typical
The maximum input current (which indicates an overload condition) is 1.0 Adc maximum.			

Input Connector: Molex 53261-0871
 Output Connector: JST SM03(4.0)B-BHS-1-TB or Yeonho 20015WR-05A01

Inverters specifically designed to match most popular LCD modules are also available. Contact your authorized distributor or ERG direct.

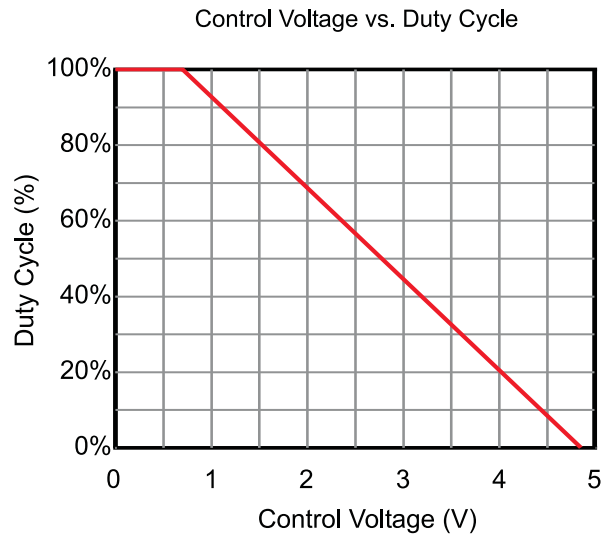
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PCB components are shown for reference only. Actual product may differ from that shown.

Pin Descriptions	
J1-1 +Vin	J2-1 ACreturn
J1-2 +Vin	J2-2 ACout
J1-3 GND	J2-3 ACout
J1-4 GND	
J1-5 Enable	
J1-6 Control	
J1-7 N/C	
J1-8 GND	



Graph 1

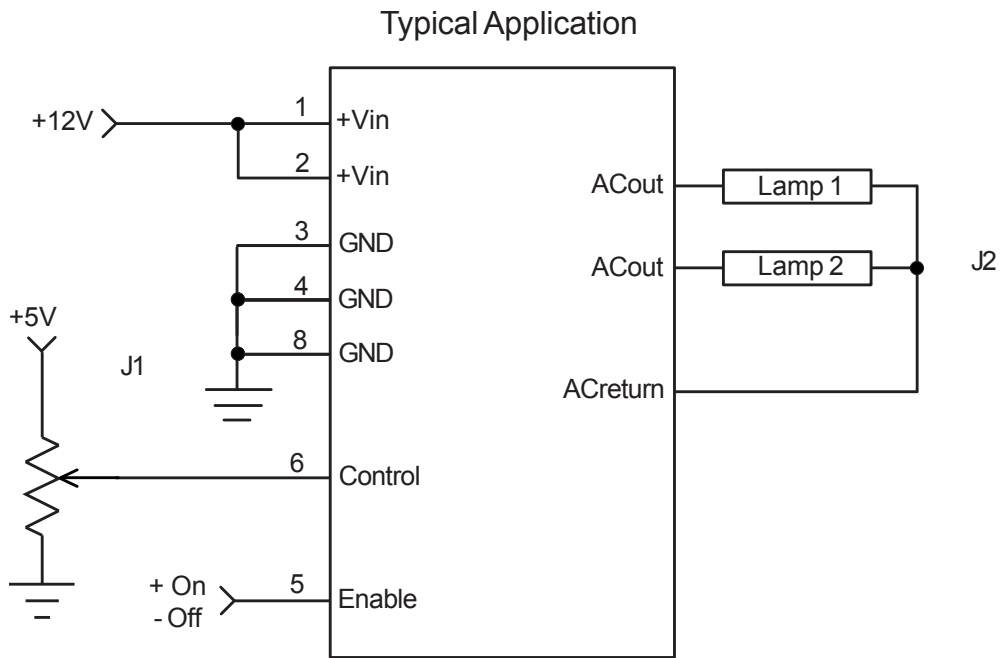


Figure 1

