

D Series



12 Volt Input Dc to Ac Inverter

D12M50M

The D12M50M is a generic dc to ac inverter designed to generate 5 marms into a 270 - 370 volt load (CCFT) from a nominal 12 volt dc source.

FEATURES

- Low Profile
- Display compatible connector
- High efficiency

PHYSICAL SPECIFICATIONS

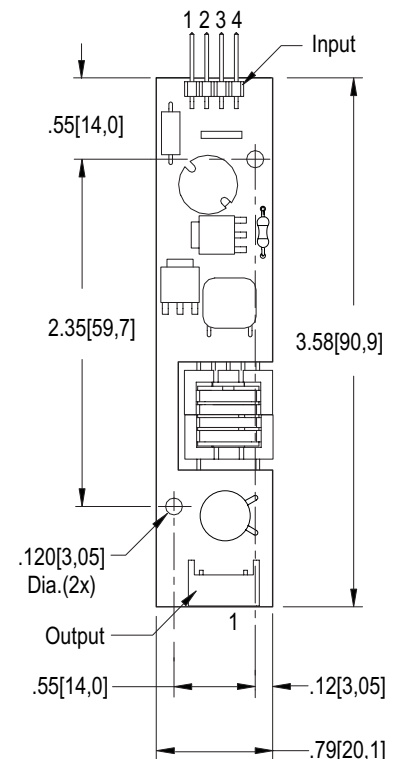
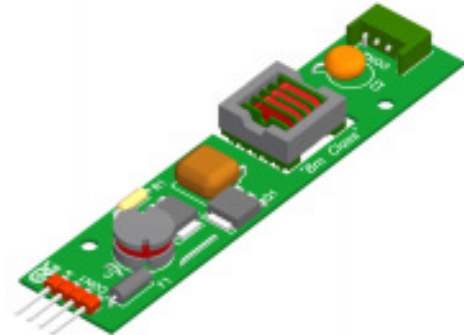
- Size: .79" x 3.58" x .32"
(without input connector) (20,1mm x 90,9mm x 8mm)
- Weight: 11.4 grams
- Operating Temperature: 0° to +70°C
- Storage Temperature: -20° to +85°C
- Humidity: 95% RH Max

Characteristics	Value	Units	Note(s)
Input Voltage	10.8 - 13.2	Volts dc	
Input Current	.18 typ	Adc	$R_L = 64 \text{ Kohms}$
Minimum No Load Output Voltage	1100	Vrms	$V_{in} = 12.00 \text{ Vdc}$
Frequency	35 typ	Khz	$V_{in} = 12.00 \text{ Vdc}$
Output Current	5.0	marms	$R_L = 64 \text{ Kohms}$
Efficiency	74	%	Typical
The maximum input current (which indicates an overload condition) is 1.0 Adc maximum			

Input Connector: 4 position right angle header
(.025" square, .100" centers)

Output Connector: Mitsumi M60-04-30-134P

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



1. $V_{in}(+)$
2. $V_{in}(-)$
3. Control
4. NC

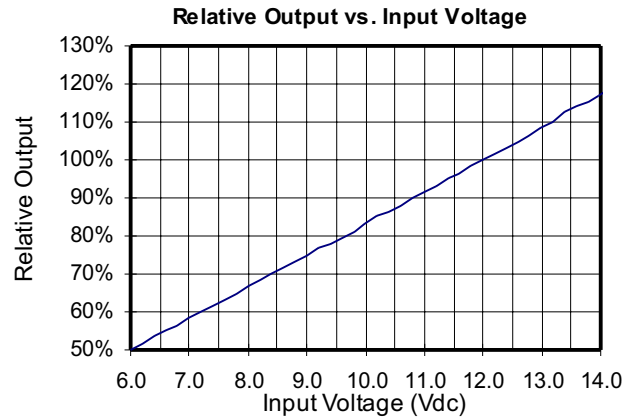
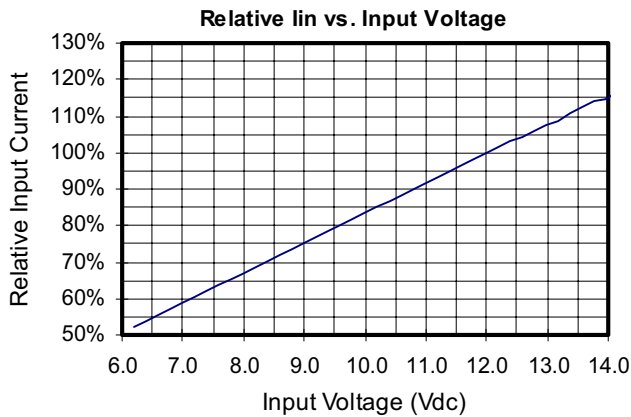
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Connection and Application Information

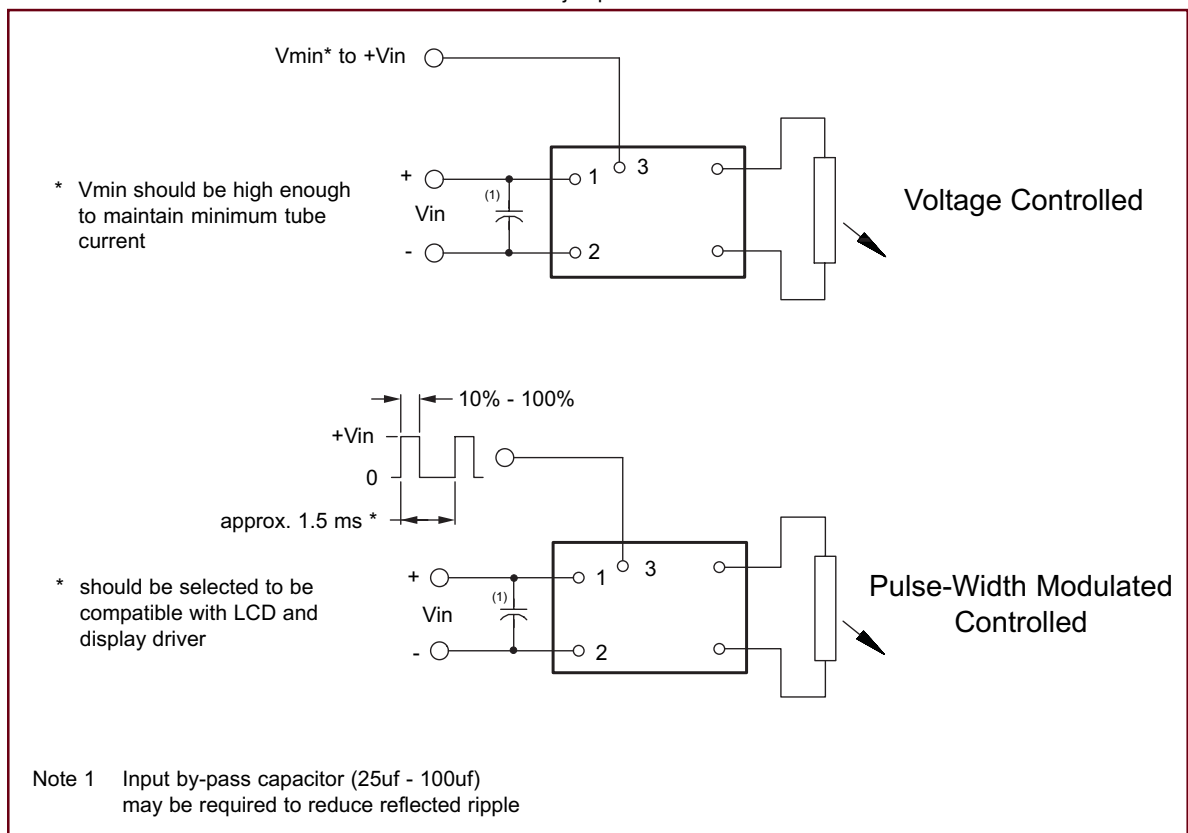
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Dimming and Control Options

With "C" jumper removed



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Specifications are subject to change without notice.

12/28/00

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