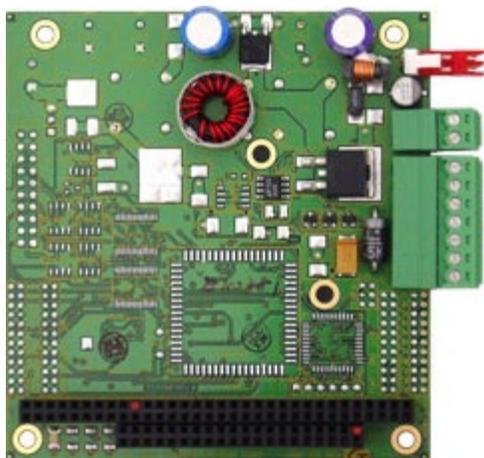


JUPITER-MM-LP 25 Watt Low-Cost DC/DC Power Supply



 PC104



FEATURES

- 25 watts output power
- +5VDC output , 5A
- 7-30VDC input range
- Low-cost, lightweight design
- 40 to +85oC Operation

◆ Overview

◆ Description

Jupiter-MM-LP (JMM-LP) is a low-cost DC/DC power supply ideal for PC/104 applications with lower power requirements. This supply is the lightest-weight PC/104 DC/DC supply available anywhere, due to the fact that it requires no heatsink. Extended temperature rating is included at no additional charge, making Jupiter-MM-LP a true bargain compared to competitive products that require an additional charge.

Output Power

JMM-LP provides 25 watts of total output power with output voltage of 5VDC +/-5% at 5A max. Input voltage range is 7 to 30VDC, making it suitable for use with both 12V and 24V systems.

No Heat Sink Required

Due to a new improved power supply circuit design, we've eliminated the heat sink, reducing the board's weight to the absolute minimum. JMM-LP is ideal for use in small enclosures such as our Pandora, since no forced-air or other cooling is required to maintain safe operation.

True PC/104 form factor

The low-profile SMT design fits completely within the PC/104 module specifications and guarantees that you can add other PC/104 modules on top of this board without any worries of mechanical interference. Simply stack your CPU and other cards either on top or below the power supply module to provide power to your PC/104 system.

◆ I/O Connections

JMM-LP uses the same power I/O connectors as Jupiter-MM and Jupiter-MM-SIO. Power input may be provided on a 2-pin detachable screw terminal or the 7-pin combination I/O power detachable screw terminal. Output voltages appear on the 7-pin screw terminal

header and on the PC/104 bus pins.

2-pin screw terminal connector

Pin	Description
1	Input ground
2	Input voltage

7-pin combination screw terminal connector

Pin	Description
1	Input voltage
2	Input ground
3	+12V output
4	+5V output
5	Output ground
6	-5V output
7	-12V output

◆ Specifications

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Input

Input voltage	7-30VDC
Input ripple	<200mV RMS
Transient protection	1500W transient voltage suppressor
Transient cutoff	31V nominal

Output

Output voltage/current	+5VDC +/-5%
Output protection	Current limit/short circuit protection
Output ripple	<50mV RMS (+5V output, 50% load)
Load regulation	±3%
Efficiency	80% to 92%, varies with load and input voltage

Mechanical/Environmental

Size	3.55" x 3.775"
PC/104 bus	J1 (64 pins) and J2 (40 pins) stackthrough connectors installed
Operating temperature	-40 to 85°C
Operating humidity	5 to 95% non-condensing
Weight	4.0 oz / 113g

◆ Get an online quote

◆ Models and Accessories

Jupiter-MM-LP

available models:

JMM-LP-XT Jupiter-MM 25 Watt DC/DC power supply, Extended Temperature Min Order Quantity

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