

100W, UNIVERSAL INPUT POWER SUPPLY

4 OUTPUTS, 4" X 5" PCB SIZE

MIW 104 SERIES

- Up to 4 outputs
- Made in North America
- Very high quality
- Competitive price
- Meets all approval requirements
- Input 95VAC-264VAC or 120-360VDC
- Conduction cooled - no fan
- Fully protected
- Stock or short delivery



This four output power supply has up to 100W output power in a 4" x 5" size. The input accepts any AC voltage from 95V to 264V as well as DC voltage from 120V to 360V. The outputs are galvanically isolated from each other, but can also be configured into a +/- double supply application. Three outputs are fully regulated and the fourth output is semi-regulated. The standard output configuration is +5V/6A, -5V/1A, +12V/3A and -12V/1A. The MIW 104 is manufactured in North America and is of very high quality yet competitively priced. It meets all approval requirements, is conduction cooled, fully protected and available with a short delivery time.

SPECIFICATIONS

Input Voltage

95VAC to 264VAC; 47-420Hz
120VDC to 360VDC

Input Protection

Thermal Fuse
Inrush current limiting

Input Isolation/safety

2250VDC input to chassis
4300VDC input to output
8mm spacing
500VDC output to chassis

Full compliance to IEC950,
CSA22.2-950 and UL1950.
Please consult factory for approval
status for the requested
input/output configuration

EMI

Meets EN 55022 Class A
(Class B optional)

Output Voltages

+5V/6A, -5V/1A, +12V/3A and
-12V/1A, standard. Consult
factory for other voltages

Line/Load Regulation

+/-1% combined from no load to
full load for the 5V and -12V
outputs, +/-5% for the +12V
output

Output Overvoltage Protection

Double regulator loop

Overload Protection

Current limiting with short circuit
protection (hiccup mode)

Efficiency

Min 76% at full load

Output Ripple/Noise

Better than 1% of output voltage
peak to peak or 0.2% RMS of the
output voltage (20MHZ BW)

Hold Up Time

Minimum 10ms at full load for 5%
drop of output voltage at 120V and
higher input

Operating Temperature

0 to +50°C (depending on
available conduction)

Temperature Drift

0.03% per °C over operating
temperature range

MTBF

100,000 at 45°C

Dimensions

PCB Size: 4" x 5"
Component height: 1.5"
Weight: Open Frame - 0.5 lb.
Enclosed case: 7.78"x 4.43"x2.00"

Connections and Packaging:

Open PCB version:
Header pins with 0.156" spacing
or screw-type terminal block

Enclosed case version:
Screw-type terminal block
or 90° header pins with 0.156"
spacing

Warranty

Twelve months subject to
application within good
engineering practice

Enhancements to these general specifications and customizing can be accommodated upon request.
Designed to meet all approval requirements.

Designer and manufacturer of quality converters, inverters, UPS systems, complete rack mount systems and DC-input fluorescent lamp inverters since 1982. Custom or standard. ABSOPULSE is a BABT-approved facility.

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