

65W, UNIVERSAL INPUT POWER SUPPLY

4 OUTPUTS, 4" X 6" PCB SIZE

SIM 98 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/convection cooled - no fan
- Fully protected
- Stock or short delivery



This four-output power supply delivers 65W output power from any AC input voltage from 95V to 264V as well as DC voltages from 120V to 360V. The outputs are galvanically isolated from each other, but can also be configured into a +/- double supply application. The auxiliary outputs are semi-regulated and regulation is better than +/-5% for 12V and higher outputs. The standard output configuration is +5V/5A, +12V/2A, -12V/2A and 24V/1A. The SIM 98 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; 47-63Hz
120VDC to 360VDC

Input Protection
Thermal Fuse
Inrush current limiting

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

Output Voltages
5V/5A, 12V/2A, -12V/2A and
24V/1A, standard
Consult factory for other voltages

Line/Load Regulation
+/-1% combined from no load to full
load for the main output (5V) and
+/-5% for the other outputs

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

Output overload Protection
Current limiting with short circuit
protection (hiccup mode)

Output Over-voltage Protection
Double regulator loop and
Transzorb clamp

Efficiency
Min 76% at full load

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
Open frame 'L' bracket:
4.125" x 6.5" x 1.6"
(W x L x H)

Connections:
Header pins with 0.156" spacing

Weight
1.21lb

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.



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