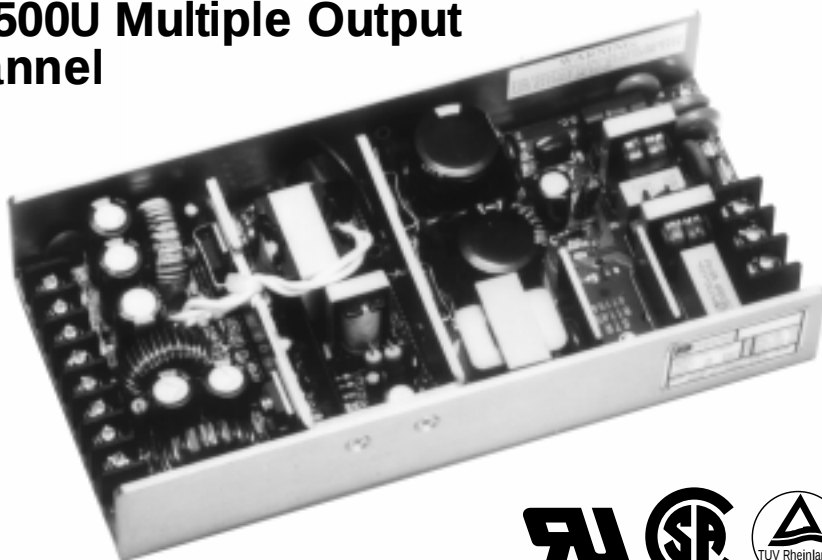


150W Auto-Ranging Industrial Series

PSA-1500U Multiple Output U-Channel



Features

- High efficiency
- Built-in EMI filter
- 100% Burn-in for 24 hours
- Small low profile package
- Short circuit protection
- Over voltage protection

Applications

- File servers
- Workstations
- Test equipment
- Industrial controls

Safety Approvals

- UL 1950
- CSA 22.2 1402C Level 3
- TUV EN 60950 (IEC 950)

Mechanical Characteristics

- Dimensions:
- Length: 198.16mm (7.8in.)
 - Height: 38.1mm (1.5in.)
 - Width: 96.52mm (3.8in.)
 - Weight: 0.86Kgs (1.89lbs)

Output Specifications

Model	DC Output Voltage	Load			Ripple P-P	Total Tolerance
		Min.	Max.	@30 CFM		
PSA-1501U	+5V	3.0A	9.0A	15A	50mV	+1%
	+12V	0.2A	0.6A	1.0A	100mV	+6%
	-12V	0.2A	0.6A	1.0A	100mV	+6%
	+24V	0.6A	1.8A	3.0A	240mV	+6%
PSA-1502U	+5V	3.0A	9.0A	15A	50mV	+1%
	-15V	0.2A	0.6A	1.0A	100mV	+6%
	+15V	0.2A	0.6A	1.0A	100mV	+6%
	-5V	1.0A	3.0A	5.0A	100mV	+6%
PSA-1506U	+5V	3.0A	9.0A	15A	50mV	+1%
	+12V	1.2A	3.6A	6.0A	100mV	+6%
PSA-1507U	+5V	3.0A	9.0A	15A	50mV	+1%
	+12V	0.2A	0.6A	1.0A	100mV	+6%
	+12V	1.2A	3.6A	6.0A	100mV	+6%
PSA-1508U	+5V	3.0A	9.0A	15A	50mV	+1%
	-12V	0.2A	0.6A	1.0A	100mV	+6%
	+12V	0.4A	1.2A	2.0A	100mV	+6%
	-5V	1.0A	3.0A	5.0A	100mV	+6%
PSA-1509U	+5V	3.0A	9.0A	15A	50mV	+1%
	-5V	0.2A	0.6A	1.0A	100mV	+6%
	-12V	0.2A	0.6A	1.0A	100mV	+6%
	+12V	1.0A	3.0A	5.0A	100mV	+6%

(1) The maximum continuous output power shall not exceed 100 watts with convection cooling, and 150 watts with 30 CFM air cooling.

(2) Ripple & noise is measured at 20MHz bandwidth limit by using a 10in. twisted wire terminated with a 10 μ F capacitor in parallel with a 0.1 μ F ceramic capacitor.

ONOFF

**ISO 9001 • BABT
Facility Approvals**



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150W Auto-Ranging Industrial Series PSA-1500U Multiple Output U-Channel

Characteristics

AC Input Voltage

90-132/180-264VAC
(Auto ranging)

AC Frequency

47 to 63Hz

AC Input Current

4A maximum (115V)
2A maximum (230V)

AC Inrush Current

25A (115VAC)
50A (230VAC)

AC Leakage Current

0.75mA maximum
(240VAC 50Hz)

Efficiency

70% typical at full load,
120VAC

Hold-up Time

16msec. at full load, 120VAC

Switching Frequency

100KHz typical

Overvoltage Protection

5.5 to 7V (+5 Output)

Overcurrent Protection

Short circuit protected
Auto-restart

Temperature Range

Operating: 0 to 50°C
Storage: -25 to 85°C

MTBF

Calculated
Greater than 100,000 hours,
full load, 25°C
(MIL-HDBK-217)

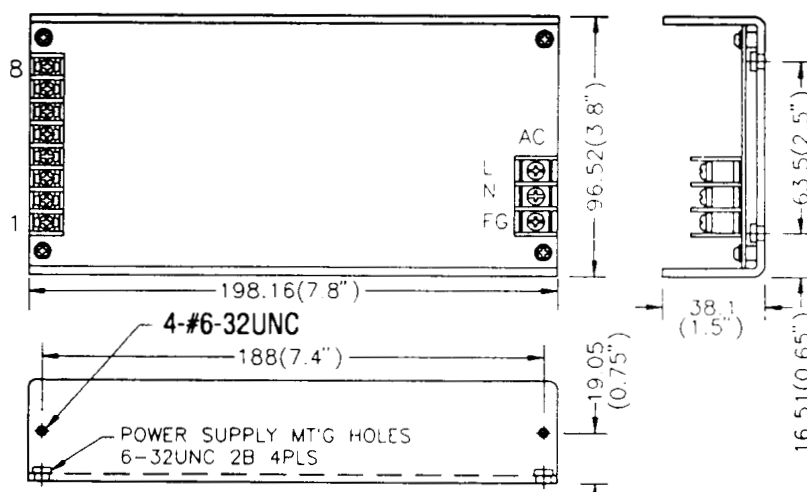
EMI Requirements

FCC class A
VDE 0871 class A
(Class B with external filter)

Mating Connectors

Screw terminals
(Consult factory for Molex style)

Dimension Diagram Unit: mm (inch)



Pin	Model	PSA-1500U	PSA-1501U	PSA-1502U	PSA-1506U	PSA-1507U	PSA-1508U	PSA-1509U
1		+5V	+5V	+5V	+5V	+5V	+5V	+5V
2		+5V	+5V	+5V	+5V	+5V	+5V	+5V
3		RTN	RTN	RTN	RTN	RTN	RTN	RTN
4		RTN	RTN	RTN	RTN	RTN	RTN	RTN
5		-5V	+12V	-5V			-12V	-5V
6		+12V	-12V	+15V		+12V	+12V	-12V
7		RTN	RTN	RTN	RTN	RTN	RTN	RTN
8		+12V	+24V	-5V	+12V	+12V	-5V	+12V

1500U M/605

Mouser Electronics

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