



130W Universal Input PSA150U Switching Power Supply Series



Features

- Universal Input
- Class B EMI Compliant
- 85% Efficiency

Applications

- Industrial Controls
- Imaging Machines
- Networking
- Gaming Machines
- Portable Equipment
- Telecommunication Equipment

Safety Approvals

- TUV EN60950
- cUL 60950 3rd Edition
- CE

Mechanical Characteristics

Dimensions:

- Length: 225mm (8.86in)
- Width: 114mm (4.49in)
- Height: 52.5mm (2.07in)
- Weight: 1.3Kg (2.9lb)

Output Specifications

Model	DC Output Voltage	Load		Ripple(1) P-P	Regulation	
		Min.	Max.		Line	Load
PSA150U-240	24V	0A	5.4A	240mV	±1%	±5%
PSA150U-480	48V	0A	2.7A	480mV	±1%	±5%

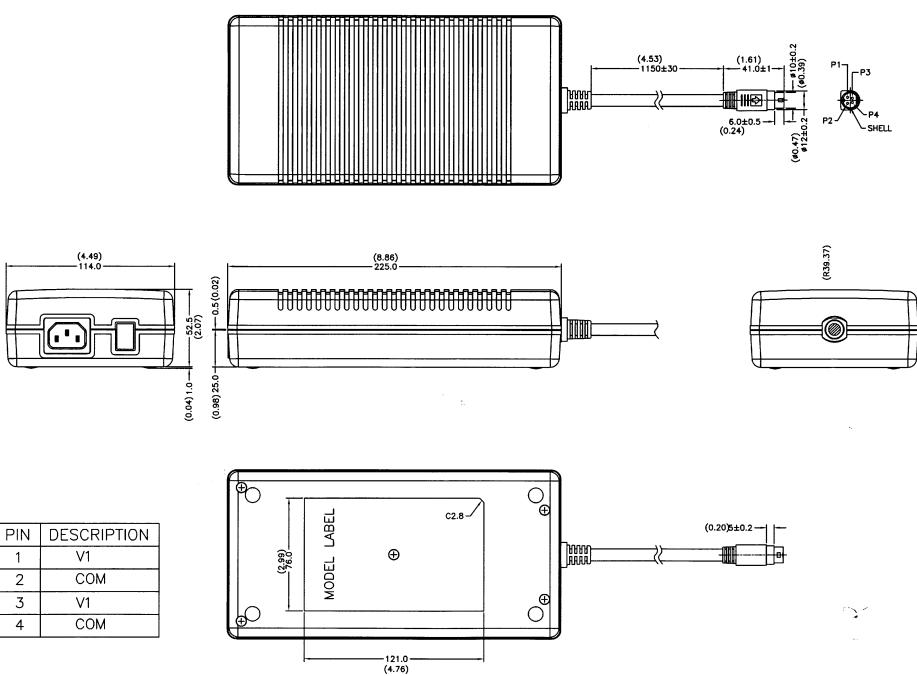
(1) Measured by using a 12 inch twisted pair terminated with a 10 μ f capacitor and a 0.1 μ f ceramic in parallel, measured at maximum load.

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INPUT:	
AC Input Voltage	
90 to 264 VAC	
AC Input Frequency	
47 to 63Hz	
AC Input Current	
3A(rms) 115VAC at Max. Load	
1.5A(rms) 230VAC at Max. Load	
AC Inrush Current (Cold)	
30A for 115VAC at Max. Load	
60A for 230VAC at Max. Load	
OUTPUT:	
Hold-up Time	
12m Sec. Min.	
at Max. Load 115VAC/60Hz	
Efficiency	
Typical 85%	
Transient Response	
Within 1% of Normal Voltage	
within 0.5ms, 50% Step Load,	
0.1A/us slew rate	
Overload Protection	
Short Circuit Protection,	
Auto-Restart	
GENERAL:	
Operation Temperature (Convection)	
0 to +40°C	
Derate Output Wattage by 2.5%/ °C from +40°C to +60°C	

Storage Temperature	
-25°C to +85°C	
Operation Humidity	
10 to 95% Non-condensing	
Storage Humidity	
5% to 95% Non-condensing	
Leakage Current	
3.5mA Max. at 254VAC, 50Hz	
Dielectric Withstand (Hipot) Test	
Input to Output:	
3000VAC for 1 min., 10mA	
Input to FG:	
1500VAC for 1 min., 10mA	
EMI	
FCC Class B	
EN 55022 Class B	
Immunity	
EN50082-1: 1997	
EN61000-4-2	Level 3
EN61000-4-3	Level 2
EN61000-4-4	Level 2
EN61000-4-5	Level 3
EN61000-4-6	Level 2
EN61000-4-11	
HARMONIC	
EN61000-3-2	(A1+A2+A14)
FLICKER EN61000-3-3	

Dimension Diagram Unit: mm (inch)



Mating Connector:
Singatron 2MJ-0402A110 or
2MJ-0402A120 or equivalent

Mouser Electronics

Authorized Distributor

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[Phihong](#):

[PSA150U-480](#) [PSA-150U-240](#) [PSA150U-240-R](#)