

FSP200MWUS012U



200W/12V

DESCRIPTION

This series of AC-DC switching power supplies in a package of 3 x 5 x 1.5 inches are capable of delivering 200 watts of continuous power at 5.3 CFM forced air cooling or 150 watts at convection cooling. The units are constructed on a printed circuit board with a U-bracket for mechanical support and heat sinking. A cover-and-fan assembly can be added during manufacturing for 200 watt output. They are specially designed for medical applications, but not for life-supporting equipment. The units are certified also to IEC /EN /UL /CSA 60950-1 and suitable for data networking, computer and telecommunication applications.

FEATURES

- 3 x 5 inch footprint with 1.5 inch low profile
- 100-240 VAC input with active PFC
- Less than 220 μ A leakage current
- Meet EN55011 /55022 and FCC Class B
- Power Factor 0.98 typical
- Short-circuit protection
- Power Fail Detect (PFD) signal
- Inhibit - TTL high to disable output
- Compliant with RoHS requirements
- Efficiency greater than 87%

WATTAGE

Wattage: 200W

DIMENSION

Dimension: 127.0mm(L) x 76.0mm(W) x 38mm(H)

INPUT SPECIFICATION

Input Range: 90-264 Vdc
 Input Frequency: 47-63 Hz
 Input Current: 2.5A(rms) for 115VAC,
 1.25A(rms) for 230VAC
 Leakage Current: 220 mA max. @ 264 VAC, 63 Hz

SAFETY STANDARD APPROVAL



OUTPUT SPECIFICATION

Ripple & Noise: Maximum excursion of 4% or better on all models, recovering to 1% of final value within 500 us after a 25% step load change
 Over Current Protection: Output protected to short circuit conditions

ENVIRONMENTAL SPECIFICATION

TEMP. Range: Operating Temperature: 0°C to +70°C
 Storage Temperature: -40°C to +85°C

*Output Voltage and Current Rating

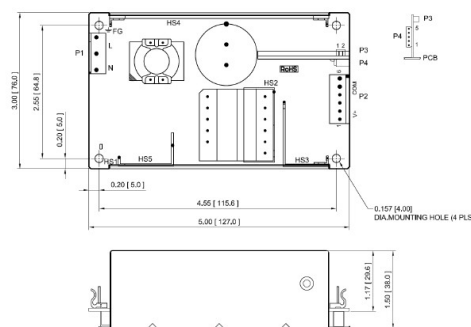
	+12V
Ripple-Noise(R-P) mV	120mV
Regulation Load %	±2%
Output Max.(A)	16.67A
Output Min.(A)	0A

NOTES

1. Suffix "U" in model numbers denotes U-bracket form. Change suffix "U" to "E" for enclosed form with cover and fan assembly
2. 150 W without moving air or 200 W with 5.3 CFM forced air provided by user for "U" version, 200 W for "E" version with cover and fan assembly. The adequacy of cooling air is judged by the measured core temperature of transformer T1 below 75°C at 25°C ambient, or below 100°C at 50°C ambient.
3. Ripple and noise is maximum peak to peak voltage value measured at output within 20 MHz bandwidth, at rated line voltage and output load ranges, and with a 10 μ F tantalum capacitor in parallel with a 0.1 μ F ceramic capacitor across the output.

MECHANICAL SPECIFICATION

U-bracket Form



This content is subject to change, please refer to specification for more detail.
 FSP reserve the right to change the content without prior notice