IPC PSU
FSP400-40PFB

DESCRIPTION

FSP400-40PFB is an industrial level of switching power supply. The power supply comes to offer the total power capacity up to 400 Watts, and uses unique active PFC (Power Factor Correction) circuit design with its high-load electrical components, makes it to be perfectly used in an industrial environment. In addition, with its full range of input and output electrical features, the power supply is ideally the best choice for server, workstation, communication or any other automation applications to use. The product also complies with the latest safety and EMC standards, which is perfectly to meet various regulations worldwide.

APPLICATION

For standard, advanced workstation, server and industrial power system.

FEATURES

- Low Ripple & Noise
- Output over voltage protection
- Short circuit protection on all outputs
- Resetable power shut down
- 100% burn-in under high ambient temperature(50℃)
- Vacuum-impregnated transformer
- MTBF:100K hours at 25℃
- 100% Hi-pot tested
- line input fuse protection

WATTAGE

Wattage: 400W

DIMENSION

Dimension: 140mm(L) x 150mm(W) x 86mm(H)

PRODUCT HIGHLIGHT

Efficiency Level: Non-80+
Altitude: 2000M
PMBus: For standard, advanced workstation, server and industrial power system.

INPUT SPECIFICATION

Input Range: 90-264 Vac
Input Frequency: 47-63 Hz
Input Current: 115V@ 8.0 Amps-rms maximum
230V@ 4.0 Amps-rms maximum

GENERAL SPECIFICATION

Voltage Regulation: +12V, +5V: ±5%
-12V, -5V: ±10%

SAFETY STANDARD APPAOVAL

OUTPUT SPECIFICATION

Hold up Time: 115V/60Hz 17mSec. Minimum@100% Load, 230V/50Hz 17mSec. Minimum,@100% Load

Ouput Voltage Regulation: +5Vdc output : +5.5 Vdc minimum, + 6.82Vdc maximum
+12Vdc output : +13.4 Vdc minimum, + 16Vdc maximum

Output Rise Time: 115V-rms/230V-rms 5V 20ms Maximum
115V-rms/230V-rms 12V 20ms Maximum

Ripple & Noise: 5V:50mV p-p
12V1:120mV p-p
-12V:120mV p-p
-5V:100mV p-p

ENVIRONMENTAL SPECIFICATION

TEMP.Range: Storage Temperature: -20°C to + 80℃

MTBF: The power supply have a minimum predicted MTBF(MIL-HDBK-217) of 100,000 hours of continuous operation at 25℃, maximum-output load, and nominal AC inout voltage

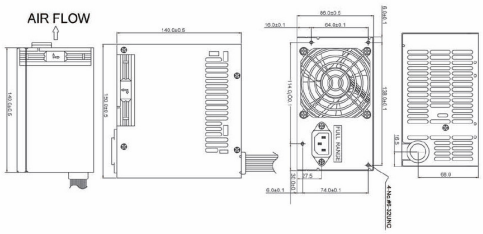
*Output Voltage and Current Rating

	+5V	+12V1	-12V	-5V
Ripple-Noise(R-P) mV	50mV	120mV	120mV	50mV
Regulation Load %	±5%	±5%	±10%	±10%
Output Max.(A)	42A	15A	0.8A	0.3A
Output Min.(A)	2A	1A	0A	0A

NOTES

- The +5V and +12V total output shall not exceed 390 watts.
- The total output shall not exceed 400 watts

MECHANICAL SPECIFICATION



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