



DESCRIPTION

This is the specification of Model FSP250-50GUB(85) ; AC-line powered switching power supply with active PFC (Power Factor Correction) circuit, meet EN61000-3-2 and with Full Range Input features. Also, +5Vsb power is less than 0.5W input at power off mode (PS_ON input at high state) which is comply with ErP Lot 6 year 2013 requirement.

APPLICATION

Desktop, Mini-itx

WATTAGE

Wattage: 250W

DIMENSION

Dimension: 150mm(L) x 81.5mm(W) x 40mm(H)

PRODUCT HIGHLIGHT

Efficiency Level: 80PLUS Bronze
Erp Lot: <0.5W
Input Voltage: 100~240Vac

INPUT SPECIFICATION

Input Range: 100-240 Vac
Input Frequency: 47-63 Hz
Input Current: 115V@ < 3.0 Amps - rms
 230V@ < 1.5 Amps - rms

OUTPUT SPECIFICATION

Output Rise Time:
 + 3.3Vdc : 20ms Maximum
 + 5 Vdc : 20ms Maximum
 + 12 Vdc : 20ms Maximum
 + 5 Vsb : 25ms Maximum
 - 12 Vdc : 20ms Maximum

*Output Voltage and Current Rating

| | +3.3V | +5V | +12V1 | -12V | -5V |
|-----------------------------|--------------|------------|--------------|-------------|------------|
| Ripple-Noise(R-P) mV | 50mV | 50mV | 120mV | 120mV | 50mV |
| Regulation Load % | ±5% | ±5% | ±5% | ±10% | ±5% |
| Output Max.(A) | 18A | 18A | 17A | 0.5A | 2A |
| Output Min.(A) | 0.1A | 0.2A | 0.5A | 0A | 0A |

NOTES

(1)+3.3V & +5V total output not exceed 100W.

(2)Total output continuous shall not exceed 250W.



SAFETY STANDARD APPROVAL



GENERAL SPECIFICATION

Efficiency: 80PLUS Bronze
PWOK Delay Time: 500ms > PWOK > 100ms
EMC Performance: EN55022 class B
 EN55024
 EN 61000-3-2
 EN 61000-3-3

ENVIRONMENTAL SPECIFICATION

TEMP.Range: Operating Temperature:10°C to +50°C
 Storage Temperature: -20°C to +80°C
MTBF: The power supply reliability, when calculated by MIL-HDBK-217; latest revision, are exceed 100,000 hours with all output at maximum load and an ambient temperature of 25°C.

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

