

DESCRIPTION

This specification describes a 300 watts power supply. With +5V stand-by, second 12V rail and remote ON/OFF control for ATX-12V system and a "Power factor collector (PFC)" circuit to meet EPA requirement of input range with in 115V/60HZ & 230V/50Hz.



APPLICATION

Desktop

WATTAGE

Wattage: 300W

DIMENSION

Dimension: 140mm(L) x 150mm(W) x 86mm(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@ < 3.5 Amps - rms
 230V@ < 2.0 Amps - rms

OUTPUT SPECIFICATION

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

SAFETY STANDARD APPROVAL



GENERAL SPECIFICATION

Efficiency: 80PLUS Bronze
PWOK Delay Time: 500ms > PWOK > 100ms
EMC Performance: EN55022 class B,

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.

*Output Voltage and Current Rating

| | +3.3V | +5V | +12V1 | +12V2 | -12V | +5Vsb |
|-----------------------------|-------|------|-------|-------|-------|-------|
| Ripple-Noise(R-P) mV | 50mV | 50mV | 50mV | 120mV | 200mV | 50mV |
| Regulation Load % | ±5% | ±5% | ±5% | ±5% | ±10% | ±5% |
| Output Max.(A) | 21A | 20A | 14A | 14A | 0.5A | 2.5A |
| Output Min.(A) | 0.1A | 0.2A | 0.1A | 0.5A | 0A | 0A |

NOTES

- (1) +3.3V & +5V total output not exceed 105W.
- (2) Maximum combined current for the +12V outputs shall be 24A.
- (3) +12V2 Peak current is 18A (less then 10m Sec.) , minimum voltage during peak is >11.0Vdc.
- (4) +5Vsb Peak current is 3.5A(less then 500m Sec.) , minimum voltage during peak is > 4.5Vdc.

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