### SPECIFICATION

---|---|---|---|---|---|---|---|---
**DC VOLTAGE** | 3.3V | 5V | 7.5V | 12V | 13.5V | 15V | 24V | 27V | 48V
**RATED CURRENT** | 12A | 12A | 8A | 5.2A | 4.7A | 4.2A | 2.7A | 2.4A | 1.35A
**CURRENT RANGE** | 0 ~ 15.2A | 0 ~ 13.8A | 0 ~ 9.6A | 0 ~ 5.4A | 0 ~ 4.8A | 0 ~ 3A | 0 ~ 2.7A | 0 ~ 1.5A
**RATED POWER** | 39.6W | 60W | 60W | 62.4W | 63.45W | 63W | 64.8W | 64.8W | 64.8W
**OUTPUT POWER (max.)** | 72W (+3.3V:50W;+5V:69W) with 18CFM min. Forced air convection
**RIPPLE & NOISE (max.)** | ±80mVp-p | ±100mVp-p | ±100mVp-p | ±100mVp-p | ±100mVp-p | ±100mVp-p | ±100mVp-p | ±100mVp-p | ±100mVp-p
**VOLTAGE RANGE** | 73 ~ 105W (3.3V:51 ~ 75W)(5V:70 ~ 105W) rated output power
**EFFICIENCY (Typ.)** | 66% | 74% | 76% | 77% | 78% | 79% | 80% | 80% | 80%
**AC CURRENT (Typ.)** | 1.6A/115VAC | 0.9A/230VAC
**INPUT**
**VOLTAGE RANGE** | 50ms/230VAC | 16ms/115VAC at full load
**FREQUENCY RANGE** | 47 ~ 63Hz
**EFFICIENCY (Typ.)** | 80ms/230VAC | 127 ~ 370VDC
**AC CURRENT (Typ.)** | 0.23Kg; 54pcs/14.6Kg/1.28CUFT
**ENVIRONMENT**
**WORKING TEMP.** | -10 ~ +60°C (Refer to "Derating Curve")
**HUMIDITY** | 20 ~ 90% RH non-condensing
**STORAGE TEMP., HUMIDITY** | -20 ~ +85°C, 10 ~ 95% RH
**VIBRATION** | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes
**SAFETY & EMC (Note 4)**
**SAFETY STANDARDS** | ANSI/AAMI ES60601-1, TUV EN60601-1, IEC60601-1 approved
**ISOLATION LEVEL** | Primary-Secondary: 2xMOPP, Primary-Earth: 1xMOPP
**WITHSTAND VOLTAGE** | I/P-O/P: 4kVAC, I/P-FG: 1000VDC, O/P-FG: 5kVAC
**ISOLATION RESISTANCE** | I/P-O/P, I/P-FG: 100M Ohms / 500VDC / 25°C, 70% RH
**EMC EMISSION** | Compliance to EN55011 (CISPR11) Class B, EN61000-3-2,-3
**EMC IMMUNITY** | Compliance to EN61000-4-2,3,4,5,6,8,11, EN60601-1-2, medical level, criteria A
**MTBF** | 359.7Khrs min. MIL-HDBK-217F (25°C)
**DIMENSION** | 127*76*42mm (L*W*H)
**PACKING** | 0 23Kg; 54pcs/14.6Kg/1.28CUFT

#### Features:
- Universal AC input / Full range
- Low leakage current <250uA
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Medical safety approved (2 x MOPP between primary to secondary)
- 100% full load burn-in test
- Fixed switching frequency at 45KHz
- 3 years warranty

#### NOTES:
1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
4. The power supply is considered a component which will be installed into a final equipment. All the EMC tests are executed by mounting the unit on a 360mm*360mm metal plate with 1mm of thickness. The final equipment must be re-confirmed that it still meets EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)
5. Mounting holes M1 and M2 should be grounded for EMI purposes.
6. Heat Sink HS1, HS2 can not be shortened.
7. Touch current was measured from primary input to DC output.

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**Mechanical Specification**

**Block Diagram**

**Derating Curve**

**Static Characteristics**
Mouser Electronics

Authorized Distributor

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