

MODEL



D-120A

■ Features :

- · AC input range selected by switch
- Protections: Short circuit / Overload / Over voltage
- · Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at 28KHz

D-120B

2 years warranty





OUTPUT NUMBER CH1 CH2 CH1 CH2 DC VOLTAGE 5V 12V 5V 24V RATED CURRENT 12A 5A 6A 4A 2 ~ 12A **CURRENT RANGE** 0.5 ~ 5A 2 ~ 10A 0.4 ~ 4A RATED POWER 120W 126W RIPPLE & NOISE (max.) Note.2 60mVp-p 120mVp-p 60mVp-p 150mVp-p OUTPUT **VOLTAGE ADJ. RANGE** CH1: 4.75 ~ 5.5V **VOLTAGE TOLERANCE Note.3** +2.0%+6.0%+2.0%+7.0%LINE REGULATION $\pm 0.5\%$ ±1.0% $\pm 0.5\%$ ±1.0% LOAD REGULATION +0.5%+5.0% $\pm 0.5\%$ +6.0%SETUP, RISE TIME 200ms, 50ms at full load HOLD UP TIME (Typ.) 24ms at full load **VOLTAGE RANGE** 88 ~ 132VAC/176 ~ 264VAC selected by switch 248 ~ 370VDC **FREQUENCY RANGE** 47 ~ 63Hz 78% **EFFICIENCY (Typ.)** 80% INPUT AC CURRENT (Typ.) 1.3A/230VAC 2.2A/115VAC INRUSH CURRENT (Typ.) COLD START 32A LEAKAGE CURRENT <3.5mA / 240VAC 105 ~ 135% rated output power OVERLOAD Protection type: Shut down o/p voltage, re-power on to recover **PROTECTION** CH1:5.75 ~ 6.75VDC OVER VOLTAGE Protection type: Shut down o/p voltage, re-power on to recover -10 ~ +60°C (Refer to "Derating Curve") WORKING TEMP. 20 ~ 90% RH non-condensing WORKING HUMIDITY ENVIRONMENT STORAGE TEMP., HUMIDITY -20 ~ +85°C, 10 ~ 95% RH TEMP. COEFFICIENT $\pm 0.03\%$ /°C (0~50°C) on +5V output VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes SAFETY STANDARDS UL60950-1. TUV EN60950-1 WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC SAFETY & ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / $25^{\circ}C$ / 70% RH **EMC** EMC EMISSION (Note 4) Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3

NOTE

OTHERS

EMC IMMUNITY

DIMENSION

PACKING

MTBF

0.82Kg; 16pcs/14.2Kg/0.95CUFT 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.

272.8K hrs min. MIL-HDBK-217F (25°C)

199*110*50mm (L*W*H)

- 2. Ripple & noise are measured at 20MHz of 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. 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)

Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A



