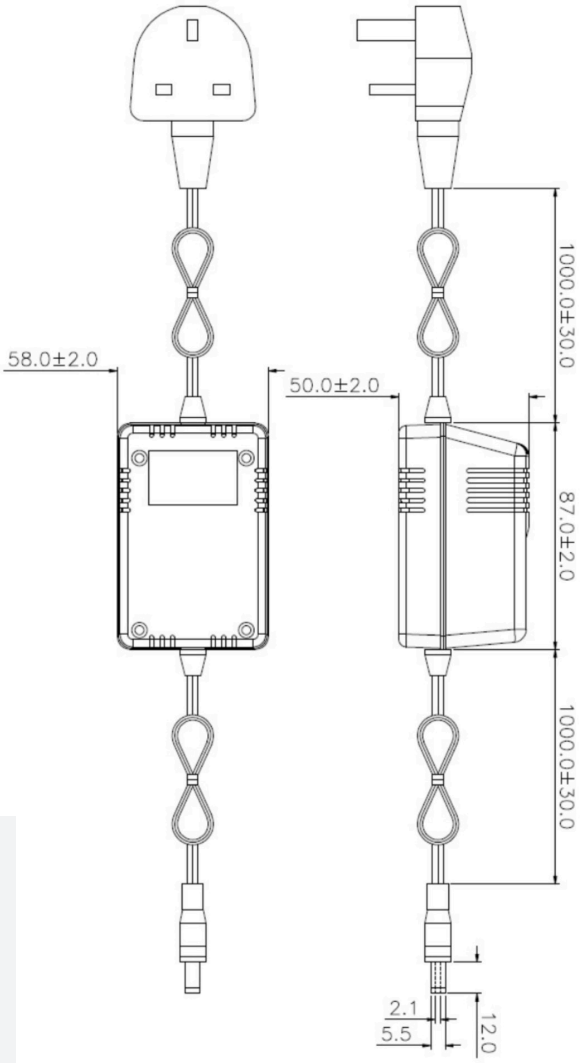
Linear Power Supply MAD Series



- Plug-in Power Input, 13A (Fused)
- Compact Size
- Provides a Convenient & Secure Method For Power Solution

System Block Diagram

1. These drawings and specifications are the property of Wo Hing Radio Co., Ltd and shall not be reproduced or used as the basis for the manufacture or sale of apparatus or devices without permission.
2. Peak to peak voltage measured at 20MHz bandwidth by using a 10μF electrolytic capacitor in parallel with a 0.1uF ceramic capacitor at the point of output terminals.
3. The power supply is considered a component which will be installed into an end-equipment product. The end-equipment product should be re0-confirmed that it still meets EMC directives.
4. Design and specifications are subject to change without further notice.

MODEL	MAD-06100	MAD-12050	MAD-24025
OUTPUT			
Rated Voltage (VDC)	6.0	12.0	24.0
Voltage Range (VDC)	5.7~6.3	11.4~12.6	22.8~25.2
Current Range (A)	0~10	0~0.5	0~0.25
Output Ripple (mVp-p)	≤100		≤120
Rise Time (ms)	≤30	≤40	≤50
Hold Up Time (ms)	≤20	≤20	≤10
INPUT			
Rated Voltage (VAC)	220~230		
Frequency (Hz)	50/60		
Current (mA)	≤82	≤72	≤72
No Load Power Consumption (W)	≤2.5		
Energy Efficiency (%)	≥ 40.0	≥ 47.0	≥ 52.0
PROTECTION			
AC Input	Current fuse protection		
Output Short-Circuit	Auto-recovery without damage when fault conditions are removed		
Output Over Voltage (V)	1.2	0.7	0.4
Over Temperature (°C)	Internal thermal fuse protection		
SAFETY			
Safety Standard	Compliance to CE/LVD		
Withstand Voltage	Input to Ouput: 3KVAC		
Isolation Resistance	Input to Output: >20MΩ / 500 VDC at 25°C / 70% RH		
EMC *3			
Emission	Compliance to EN55014-1 Class B, ENG 1000-3-2,3		
Immunity	Compliance to EN55014-2		
OTHERS			
Input Plug	BS1363 13A (Fused)		
Ouput Plug	OD 5.5mm x ID 2.1mm x L 12mm		
Dimensions (mm)	58 (L) x 87 (W) x 50 (H) mm		
Weight (kg)	0.49 approx	0.46 approx	
BS 6500 Cord	1 m with 2.1 mm DC Jack		