

Model: HK-IJ18-A15 Series

1.0 INTRODUCTION

This document specifies a switching power supply with a output of +15V, and electronic process. The switching power supply will provide power for technology equipments including electrical business equipment. The adaptor meets the requirement of lead free and RoHS.

2.0 INPUT REQUIREMENTS

- 2.1 Input Voltage Range: 100VAC to 240VAC
- 2.2 Input Frequency Range: 47 Hz to 63 Hz
- 2.3 Input Power Consumption at no-load : 0.5W MAX
- 2.3 Input In-rush Current: 50A Max
- 2.4 Input Current: 0.6A Max

3.0 OUTPUT REQUIREMENTS

- 3.1 Output Voltage: +15V
- 3.2 Output Regulation: 14.25V~15.75V
- 3.3 Output Load Range: 0~1.2A
- 3.4 Output Ripple & Noise: 100mV Max @20MHz BANDWIDTH WITH
22UF/50V CAPACITANCE AND 104/50V CERAMIC CAPACITOR.



4.0 EFFICIENCY: $\geq 76.01\%$ @ AVERAGE OF 25/50/75/100% LOADS & 115 VAC INPUT

5.0 LINE REGULATION: 2% MAXIMUM

6.0 HOLD UP TIME: 10ms MIN AT 110VAC FULL LOAD.

7.0 RISE UP TIME: 2S MAX AT 110VAC FULL LOAD.

8.0 TEMPERATURE COEFFICIENT: 0.05%/°C

9.0 DIELECTRIC STRENGTH (Hi-Pot) TEST

9.1 Finished product withstands AC 3.0KV, for 2 second, 4mA max primary to secondary.

9.2 Finished product withstands AC 3.0KV, for 2 second, 4mA max primary to case.

10.0 INSULATION RESISTANCE

Primary to secondary: 50MOHM to 500VDC.

11.0 PROTECTION

11.1 Input Protection

The switching power supply has a 2 amps inner current fuse to protect itself.

11.2 Output Protection

11.2.1 Output Current:

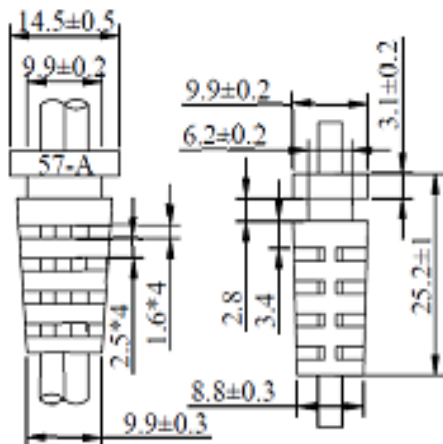
Overload conditions shall decrease the output current. Removal of an output
Overload shall provide automatic recovery for the output voltage.

11.2.2 Short Circuit Protection: Auto Recovery.

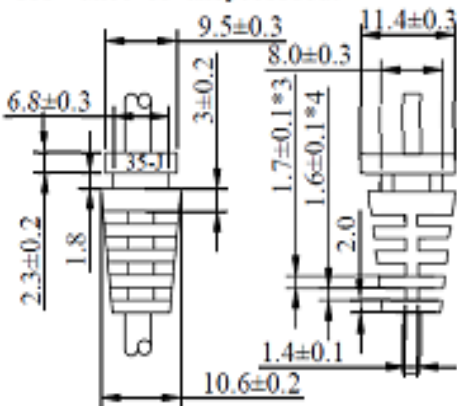
OVERALL DRAWING

UNIT: mm

Tolerance of unspecified: ± 0.2



Tolerance of unspecified: ± 0.2



Tolerance of unspecified: ± 0.2

