

# SPECIFICATION

## Linear Wallmount Power Adapter

**110VAC Input  
8W 16VDC 500mA Output**

**P/N: L160005YF-US**

**\*\*Specification Approval\*\***

This specification (total 8 pages including cover page) is approved in it's entirety by:

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## 1. Primary

Input Voltage : AC 120V 60Hz  
Exiting Current : 50mA Max.  
Protected : 125 thermal fuse into winding

## 2. Secondary

Unloaded Current : DC 23.5V  $\pm$ 5%  
Loading Voltage : DC 16.0V  $\pm$ 5%  
Loaded Current : 500mA

## 3. Insulation Resistance

Pri. To Sec. and Chassis:  
DC 500V 100 MEG OHM

## 4. Temperature Rise

At rated loading Normal condition, 75 Max.

## 5. Hi-Pot Withstand Tests

Pri. / Sec. ,Core and Chassis:  
AC 2.0KV 50Hz at 1mA for 1 minute  
Sec. / Core and Chassis):  
AC 0.5KV 50Hz at 1mA for 1 minute

## 6. Transformer Impregnation: Varnish

## 7. Input Plug : UL Plug

## 8. Output Cord and Output Plug

2468#24AWG DC Line with 1.2\* $\Phi$ 5.5\* $\Phi$ 2.5 Female "I" Plug, SR=6\*4,Line=1.83M.  
Centre is positive(DC cord use ROHS Compliance PVC)

## 9. Strain Test

A direct pull 20 lbs force to input plug, for 60 seconds.

A direct pull 10 lbs force to output line position, for 60 seconds.

After sampling test, the cord shall be functional with no intermittence and shall pass all electrical performance criteria specified herein.

## 10. Output Cord Bending Test

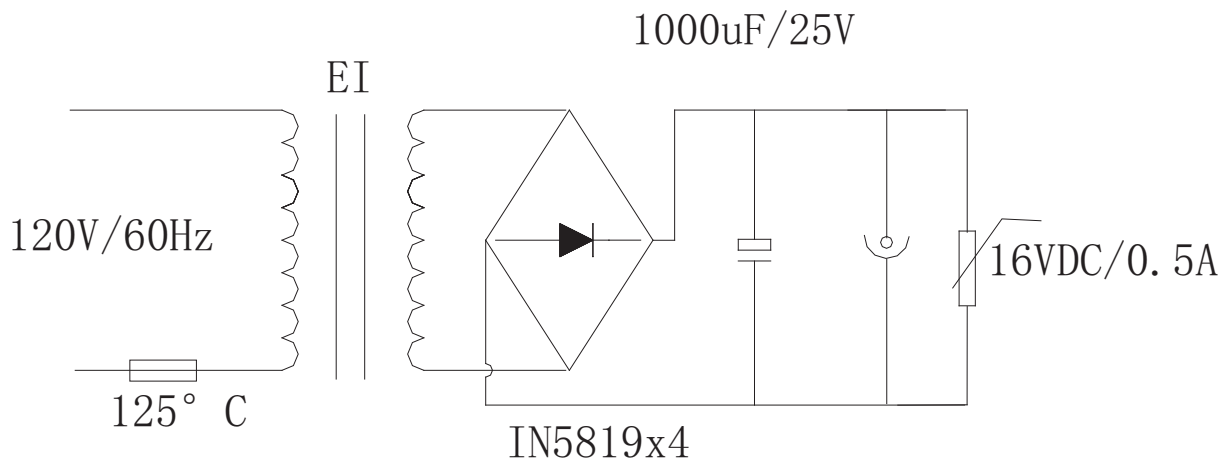
The cord withstand weight of 200G, bending angle is  $\pm 60$  (120 degree In one cycle), bending rate is 45 cycles per minute, for 200 times or more. After sampling test, the cord shall be functional no intermittence and pass electrical performance

## 11. Drop Test

At a height of 3ft, free drop to a concrete floor 3 times.

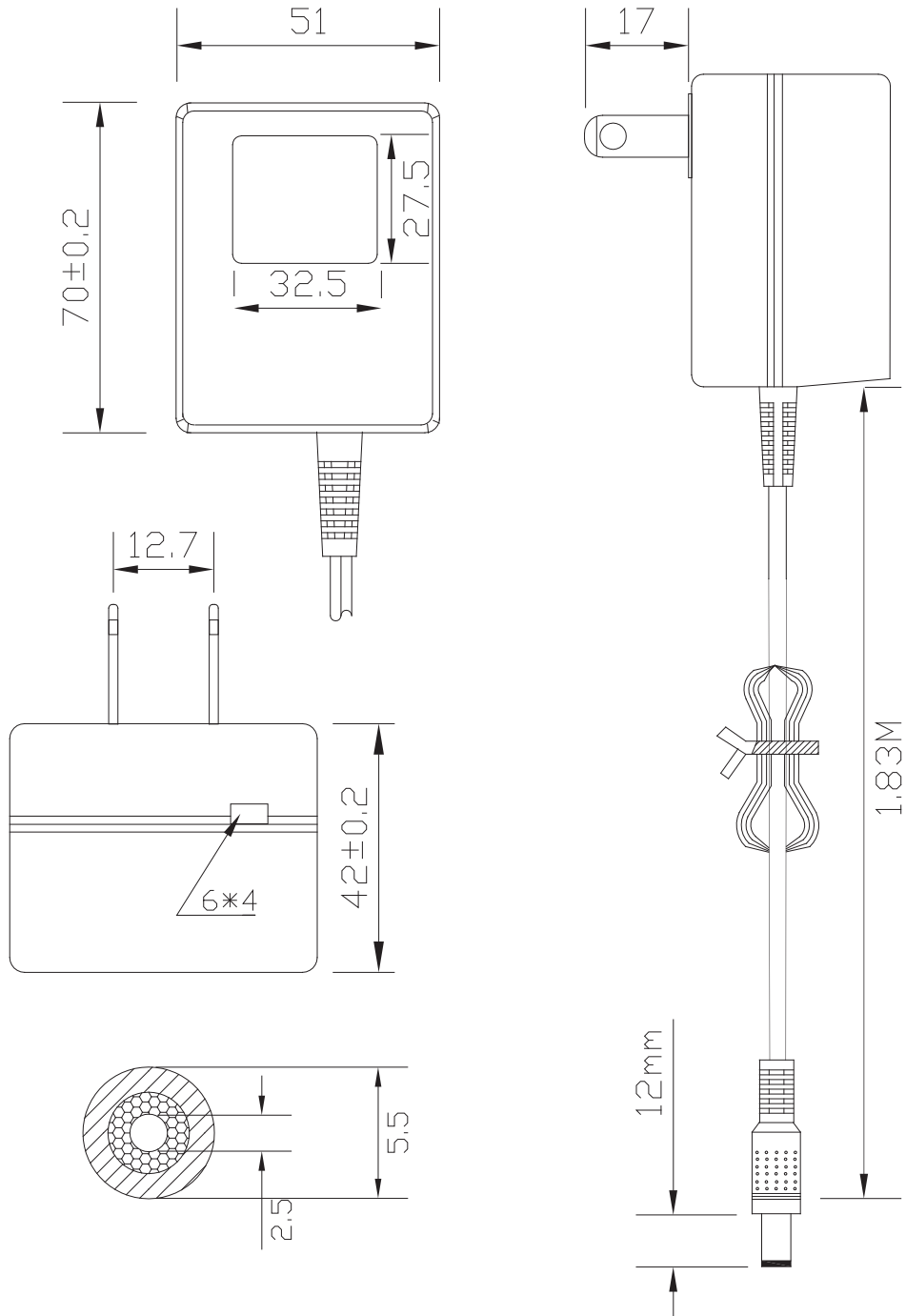
After sampling test, the unit shall pass dielectric drop test

## 12. Electrical Schematic



### 13. Mechanical Diagram

Unit: mm



## 14. Label Drawing

32.5\*27.5mm

