

DATE: 2013-8-20 (YY/MM/DD)

Customer :

## APPROVAL SHEET

PRODUCT: AC ADAPTOR(RoHS Compliant)

MODEL: APS318-3330B

PART NO. ST-0184

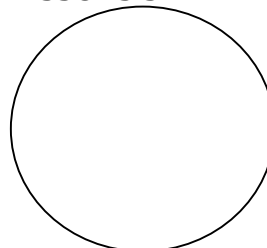
V : A1

Receiver's stamp or signature

PLEASE APPROVE & RETURN BEFORE 2013-9-3  
OR WE WOULD REGARD IT BEEN CONFIRMED.

| RESPONSIBLE | APPROVED | ISSUED   |
|-------------|----------|----------|
|             |          | nishuang |

ISSUES STAMP



### Revised History

| NO. | Revised Date | Description | Approved | Issued |
|-----|--------------|-------------|----------|--------|
|     |              |             |          |        |
|     |              |             |          |        |
|     |              |             |          |        |
|     |              |             |          |        |



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**Anthin**

|             |                 |              |           |         |
|-------------|-----------------|--------------|-----------|---------|
| DESCRIPTION | SWITCHING POWER |              | SHEET NO. | 1 OF 4  |
|             | AC ADAPTER      |              | VER:      | A1      |
|             | MODEL NO.       | APS318-3330B | PART NO.  | ST-0184 |

- 1.INPUT REQUIREMENT
- 2.OUTPUT SPECIFICATION
- 3.MECHANICAL
- 4.RELIABILITY
- 5.ENVIRONMENT
- 6.OUTLOOKING
- 7.SAFETY
- 8.QC CHECK
- 9.DIMENSION
- 10.LABEL
- 11.PACKING

|               |                    |                        |                  |                |
|---------------|--------------------|------------------------|------------------|----------------|
| <b>Anthin</b> | <b>DESCRIPTION</b> | <b>SWITCHING POWER</b> | <b>SHEET NO.</b> | <b>2 OF 4</b>  |
|               |                    | <b>AC ADAPTER</b>      | <b>VER:</b>      | <b>A1</b>      |
|               | <b>MODEL NO.</b>   | <b>APS318-3330B</b>    | <b>PART NO.</b>  | <b>ST-0184</b> |

## 1.INPUT REQUIREMENT

| ITEM                    | SPECIFICATION                                     | MIN    | TYP.          | MAX    |
|-------------------------|---------------------------------------------------|--------|---------------|--------|
| NORMAL AC INPUT VOLTAGE | SINGLE PHASE                                      | 100Vac | 110Vac/220Vac | 240Vac |
| AC INPUT VOLTAGE RANGE  | SINGLE PHASE                                      | 90Vac  | 110Vac/220Vac | 264Vac |
| AC INPUT FREQUENCY      | SINGLE PHASE                                      | 47Hz   | 50/60Hz       | 63Hz   |
| AC INPUT CURRENT        | TYPICAL INPUT VOLTAGE& OUTPUT AT FULL LOAD.       |        |               | 350mA  |
| AC INRUSH CURRENT       | TYPICAL INPUT VOLTAGE& OUTPUT AT FULL LOAD , 25℃. |        |               | 30A    |
| EFFICIENCY              | TYPICAL INPUT VOLTAGE& OUTPUT AT FULL LOAD        | 65%    |               |        |

## 2.OUTPUT SPECIFICATION

| ITEM                     | SPECIFICATION                                                 | MIN   | TYP.   | MAX   |
|--------------------------|---------------------------------------------------------------|-------|--------|-------|
| NORMAL DC OUTPUT VOLTAGE |                                                               |       | 3.3Vdc |       |
| DC OUTPUT VOLTAGE RANGE  | TYPICAL OUTPUT VOLTAGE ±5%                                    | 3.13V |        | 3.47V |
| LOAD CURRENT RANGE       |                                                               | 0A    |        | 3A    |
| PEAK LOAD CURRENT        | TIME<60S                                                      |       |        | 3.6A  |
| RIPPLE                   | TYPICAL INPUT VOLTAGE , TYPICAL LOAD CURRENT , 25℃            |       |        | 50mV  |
| HOLD-UP TIME             | AT TYPICAL INPUT VOLTAGE AND FULL LOAD                        | 10mS  |        |       |
| TURN-ON DELAY            | TYPICAL INPUT VOLTAGE AND TUP LOAD CURRENT                    |       |        | 1S    |
| OVER CURRENT PROTECTION  | AUTO RECOVERY                                                 |       |        |       |
| SHORT CIRCUIT PROTECTRON | THE ADAPTER SHALL NOT DAMAGE BY SHORT THE DC OUTPUT TO GROUND |       |        |       |
| OVER VOLTAGE PROTECTION  |                                                               |       | 3.8V   | 5V    |

## \*TEST MEASURES



C1: 0.1uF CERAMICS CAPACITOR  
C2: 10uF 50V ALUMINUM CAPACITOR

|               |                    |                                       |                  |                |
|---------------|--------------------|---------------------------------------|------------------|----------------|
| <b>Anthin</b> | <b>DESCRIPTION</b> | <b>SWITCHING POWER<br/>AC ADAPTER</b> | <b>SHEET NO.</b> | <b>3 OF 4</b>  |
|               |                    |                                       | <b>VER:</b>      | <b>A1</b>      |
|               | <b>MODEL NO.</b>   | <b>APS318-3330B</b>                   | <b>PART NO.</b>  | <b>ST-0184</b> |

### 3.MECHANICAL

| ITEM         | SPECIFICATION OR TEST CONDITION                                                                                                                                                                                                                                                    | ACCEPTANCE CRITERIA                                                             |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| BENDING TEST | NORMAL TEMPERATURE<br>THE CORD SHALL WITHSTAND WEIGHT OF 200g, SWINGING FROM LEFT TO RIGHT AT AN ANGLE OF 60 DEG. 1000CYCLE TIMES MIN.<br>S/R SHALL WITHSTAND WEIGHT OF 1N. SWINGING FROM LEFT TO RIGHT AT AN ANGLE OF 60DEG. 1000CYCLE TIMES MIN.<br>BENDING SPEED 40CYCLE/MINUTE | NO SHORT CIRCUIT<br>NO BREAKAGE OF THE CORD                                     |
| VIBRATION    | FREQUENCY RANGE:10~55Hz<br>AMPLITUDE:1.5mm<br>ACCELERATION: 1G<br>SWEEP 1 MINUTE FOR X,Y,Z,AXIS EACH                                                                                                                                                                               | THERE SHALL BENO<br>ABNORMALITY ON THE<br>APPEARANCE STRUCTURE<br>AND OPERATING |

### 4.RELIABILITY

| ITEM                                | TEST CONDITION                                                                        | ACCEPTANCE CRITERIA                |
|-------------------------------------|---------------------------------------------------------------------------------------|------------------------------------|
| TEMPERATURE UP WITH<br>TYPICAL LOAD | TEST THE SURFACE OF THE CASE WITH TYPICAL<br>LOAD OUTPUT AND TYPICAL AC INPUT 50/60Hz | TEMPERATURE UP UNDER<br>35 DEGREES |
| HI-POT TEST                         | INPUT TO OUTPUT<br>3000Vac 3 SECONDS 5mA                                              | NO DAMAGE                          |
| INSULATION RESISTANCE               | INPUT TO OUTPUT,DC 500V                                                               | >100MΩ                             |
| MTBF                                | TYPICAL INPUT&FULL LOAD , 25℃                                                         | 50000 HOURS                        |
| LIFE                                | TYPICAL INPUT&FULL LOAD, 40℃<br>TYPICAL INPUT&FULL LOAD, 25℃                          | 1YEARS ABOVE<br>2YEARS ABOVE       |
| BURN-IN                             | AT 30℃(±10℃),NORMAL INPUT VOLTAGE                                                     | 2~4 HOURS                          |

### 5.ENVIRONMENT

| ITEM                  | SPECIFICATION OR TEST CONDITION | min. | typ. | max.  |
|-----------------------|---------------------------------|------|------|-------|
| OPERATING TEMPERATURE |                                 | 0℃   |      | 40℃   |
| STORAGE TEMPERATURE   |                                 | -20℃ |      | 85℃   |
| OPERATING HUMIDITY    | NON-CONDENSING                  | 5%RH |      | 90%RH |
| STORAGE HUMIDITY      | NON-CONDENSING                  | 5%RH |      | 90%RH |

|        |             |                               |           |         |
|--------|-------------|-------------------------------|-----------|---------|
| Anthin | DESCRIPTION | SWITCHING POWER<br>AC ADAPTER | SHEET NO. | 4 OF 4  |
|        |             |                               | VER:      | A1      |
|        | MODEL NO.   | APS318-3330B                  | PART NO.  | ST-0184 |

6.OUTLOOKING

DIMENSION

:64(L)X50(W)X26.5(H)mm

WEIGHT

:ABOUT 160g

AC INPUT TYPE

:WALL MOUNT

DC OUTPUT TYPE

: 5.5×2.1×9.5 S TYPE

DC OUTPUT CABLE

:USE UL SPT-1 18AWG WIRE

ROHS COMPLIANT

INDICATION

:LABEL

ROHS COMPLIANT

CASE MATERIAL

:94V-0 ABS+PC BLACK

ROHS COMPLIANT

PCB MATERIAL

:94V-0

ROHS COMPLIANT

7.SAFETY

|                         |          |          |
|-------------------------|----------|----------|
| COMPLY SAFETY STANDARDS | STANDARD | FILE NO. |
| UL CUL                  |          |          |
| PSE                     |          |          |

|     |
|-----|
| EMI |
| FCC |

8.QC CHECK

ALL OF THE QUANTITY SHALL BE CHECKED BEFORE SHIPMENT,CHECK ITEM AS BELOW:

(1)DC PLUG POLE CHECK

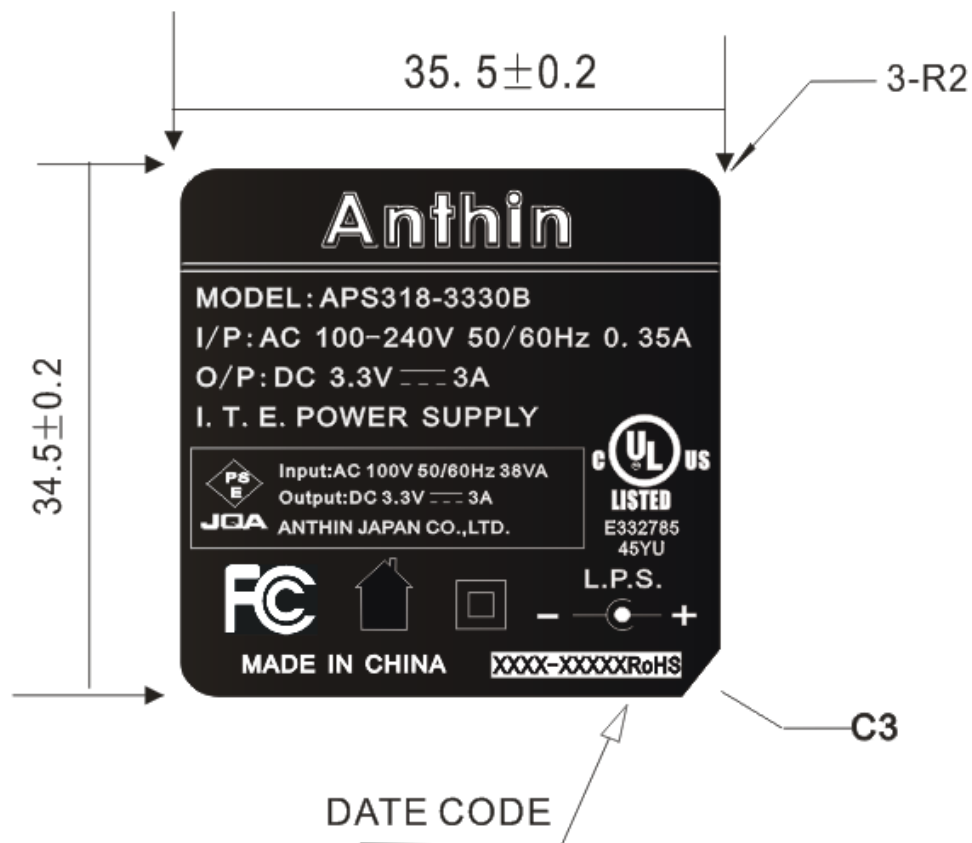
(2)OCP FUNCTION CHECK

(3)DC OUTPUT VOLTAGE CHECK

(4)HIPOT&INSULATION CHECK

(5)OUTLOOKING CHECK





XXXX-XXXXXRoHS

ROHS COMPLIANT

流水号 (Number)

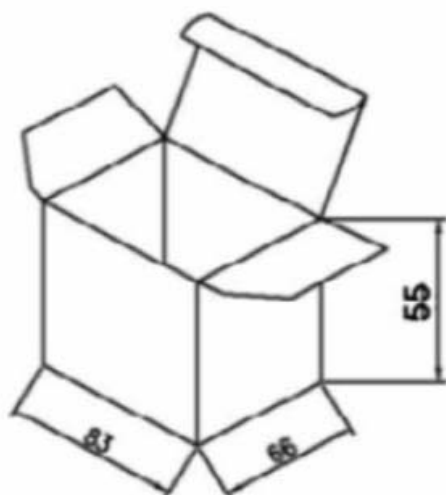
月 (Month)

年 (Year)

## NOTE:

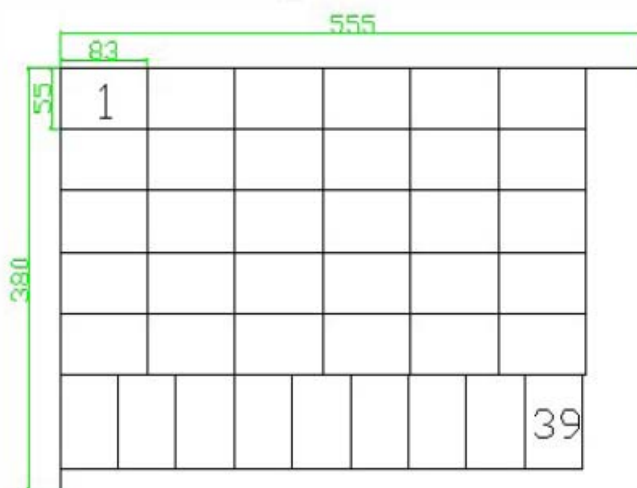
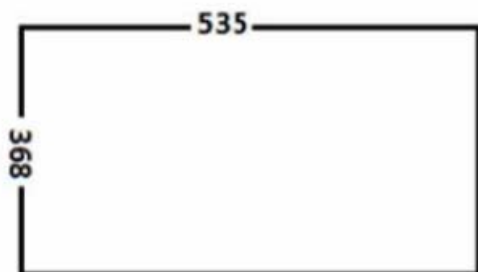
- 1.SILVER WORD(银字) ON BLACK BASE(黑底).
- 2.MATERIAL:PVC + MYLAR FILM
- 3.ROHS COMPLIANT.

| TOLERANCE    |       |       |                                                                                     |      | FINISH   |                  |  |  | NAME: |    | LABEL    |         |
|--------------|-------|-------|-------------------------------------------------------------------------------------|------|----------|------------------|--|--|-------|----|----------|---------|
| 1 ≤ L ≤ 4    | 0.05  | 0.08  | 0.1                                                                                 | 0.2  |          |                  |  |  | REV.  | A1 |          |         |
| 4 < L ≤ 20   | 0.08  | 0.1   | 0.2                                                                                 | 0.3  | MATERIAL | QTY              |  |  |       |    |          |         |
| 20 < L ≤ 50  | 0.1   | 0.15  | 0.3                                                                                 | 0.4  |          | PART NO. ST-0184 |  |  |       |    |          |         |
| 50 < L ≤ 200 | 0.15  | 0.25  | 0.4                                                                                 | 0.6  |          |                  |  |  |       |    |          |         |
| 200 < L      | 0.2   | 0.4   | 0.5                                                                                 | 0.8  |          |                  |  |  |       |    |          |         |
| DEG.         | CHKD. | APPD. |  |      | UNIT     | mm               |  |  |       |    | PART NO. | ST-0184 |
| Anni         |       |       |                                                                                     |      | SCALE    | REF.             |  |  |       |    |          |         |
|              |       |       |  | REM. |          |                  |  |  |       |    |          |         |

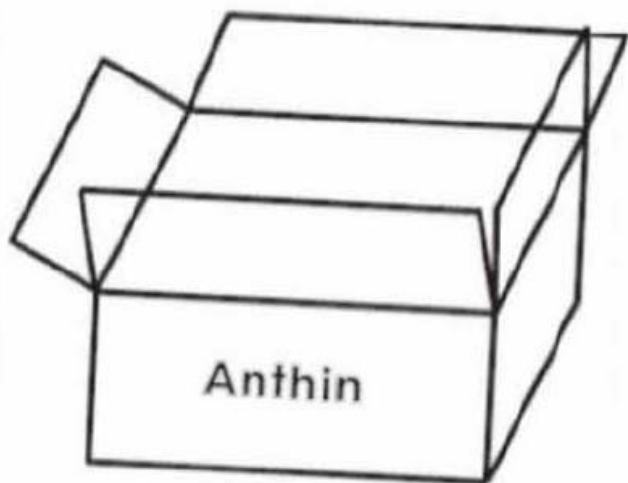


成品1PCS装入小白盒  
小白盒材质 (450G)  
外径尺寸 : 长\*宽\*高  
L\*W\*H ( 83\*66\*55mm )  
TOLERANCE :  $\pm 1$

WHITE INNER BOX+OUT CARTON  
WHITE INNER BOX OUT SIDE DIMENSION :  
L\*W\*H ( 83\*66\*55mm )  
TOLERANCE :  $\pm 1$



每层装39个小白盒，共可装3层。



成品117PCS装入外箱  
外箱3段 : K=A  
外径尺寸 : 长\*宽\*高  
L555\*W380\*H236mm  
平卡尺寸 : 长\*宽  
L535\*W368mm

| TOLERANCE |        |         |                                                                                              |       | FINISH   |    |  |      | REV. | A1 | NAME | PACKING  |
|-----------|--------|---------|----------------------------------------------------------------------------------------------|-------|----------|----|--|------|------|----|------|----------|
| L<4       | 4<L<20 | 20<L<50 | 50<L<100                                                                                     | L>100 |          |    |  |      |      |    |      |          |
| ±0.05     | ±0.08  | ±0.1    | ±0.15                                                                                        | ±0.2  | MATERIAL |    |  |      |      |    |      |          |
| ±0.08     | ±0.1   | ±0.15   | ±0.2                                                                                         | ±0.3  |          |    |  |      |      |    |      |          |
| ±0.1      | ±0.15  | ±0.2    | ±0.3                                                                                         | ±0.4  |          |    |  |      |      |    |      |          |
| ±0.15     | ±0.2   | ±0.3    | ±0.4                                                                                         | ±0.5  |          |    |  |      |      |    |      |          |
| ±0.2      | ±0.3   | ±0.4    | ±0.5                                                                                         | ±0.6  |          |    |  | UNIT |      |    |      | PART NO. |
| ±0.3      | ±0.4   | ±0.5    | ±0.6                                                                                         | ±0.7  |          |    |  |      |      |    |      |          |
| DEG.      | CHKD.  | APPD.   |           |       | UNIT     | mm |  |      |      |    |      | ST-0184  |
| Anni      |        |         | SCALE<br> |       | REF.     |    |  |      |      |    |      |          |
|           |        |         |                                                                                              |       | DWG NO.  |    |  |      |      |    |      |          |