

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

Customer :

APPROVAL SHEET

PRODUCT: AC ADAPTOR(RoHS Compliant)

MODEL: APL305-0510

PART NO.ST-0005

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 AC ADAPTER	SHEET NO.	1 OF 4
			VER:	A1
	MODEL NO.	APL305-0510	PART NO.	ST-0005

- 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

Anthin	DESCRIPTION	SWITCHING POWER AC ADAPTER	SHEET NO.	2 OF 4
			VER:	A1
	MODEL NO.	APL305-0510	PART NO.	ST-0005

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.			150mA
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			5Vdc	
DC OUTPUT VOLTAGE RANGE	TYPICAL OUTPUT VOLTAGE ±5%	4.75V		5.25V
LOAD CURRENT RANGE		0A		1A
PEAK LOAD CURRENT	TIME<60S			1.3A
RIPPLE	TYPICAL INPUT VOLTAGE , TYPICAL LOAD CURRENT , 25℃			100mV
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			6V	7.5V

*TEST MEASURES



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

Anthin	DESCRIPTION	SWITCHING POWER	SHEET NO.	3 OF 4
		AC ADAPTER	VER:	A1
	MODEL NO.	APL305-0510	PART NO.	ST-0005

3.MECHANICAL

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

4.RELIABILITY

ITEM	TEST CONDITION	ACCEPTANCE CRITERIA
TEMPERATURE UP WITH TYPICAL LOAD	TEST THE SURFACE OF THE CASE WITH TYPICAL LOAD OUTPUT AND TYPICAL AC INPUT 50/60Hz	TEMPERATURE UP UNDER 35 DEGREES
HI-POT TEST	INPUT TO OUTPUT GRADUALLY RAISED FROM 0 TO THE 3000Vac AND HELD AT THAT VALUE FOR 3S,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℃ TYPICAL INPUT&FULL LOAD, 25℃	1YEARS ABOVE 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	SHEET NO.	4 OF 4
		AC ADAPTER	VER:	A1
	MODEL NO.	APL305-0510	PART NO.	ST-0005

6.OUTLOOKING

DIMENSION

:62(L)X42(W)X21.5(H)mm

WEIGHT

:ABOUT 40g

AC INPUT TYPE

:2PIN INLET

DC OUTPUT TYPE

:4PIN USB 母座

DC OUTPUT CABLE

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.

EMI
CE

8.QC CHECK

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

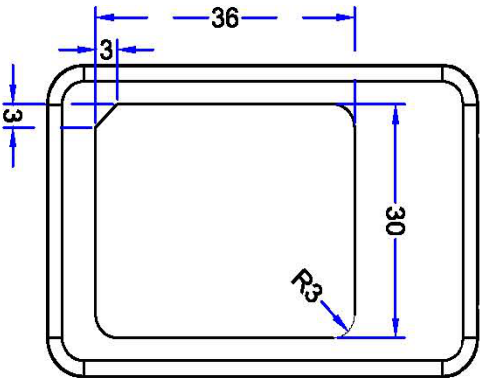
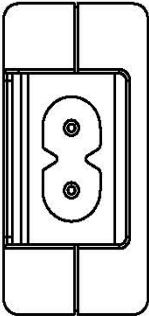
(1)DC PLUG POLE CHECK

(2)OCP FUNCTION CHECK

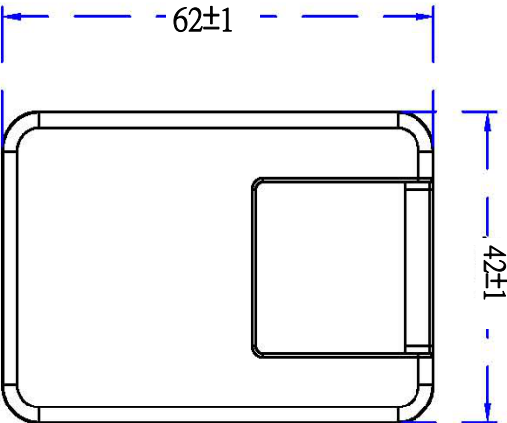
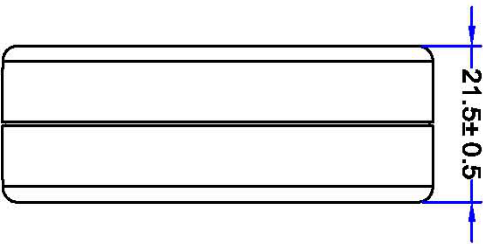
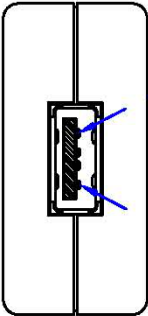
(3)DC OUTPUT VOLTAGE CHECK

(4)HIPOT&INSULATION CHECK

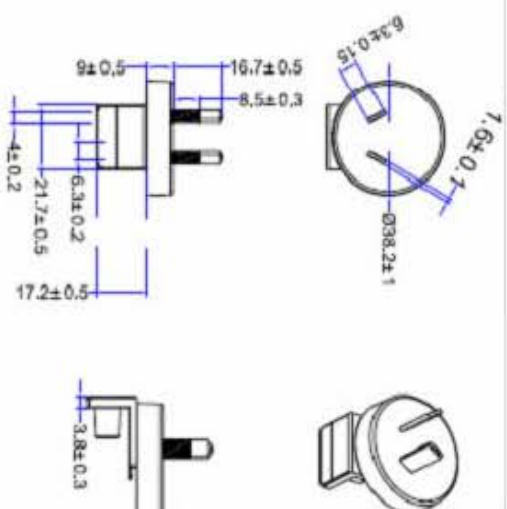
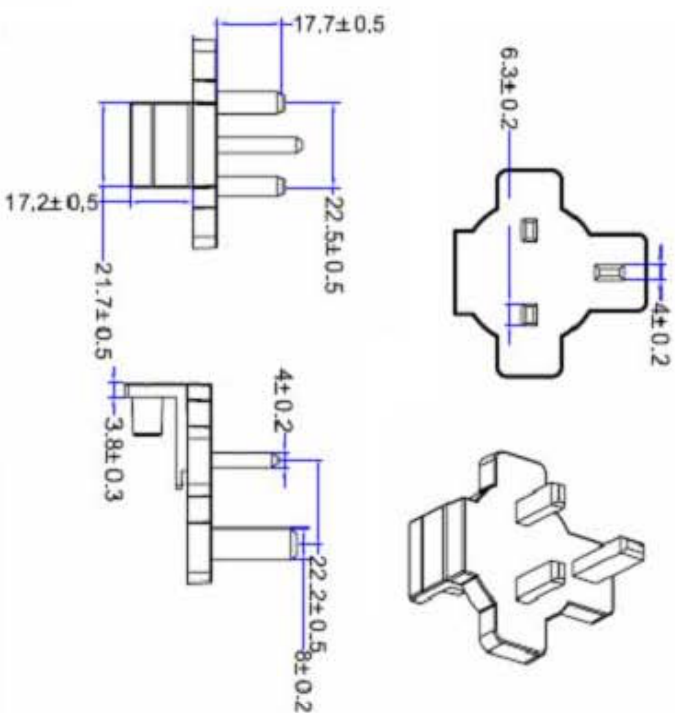
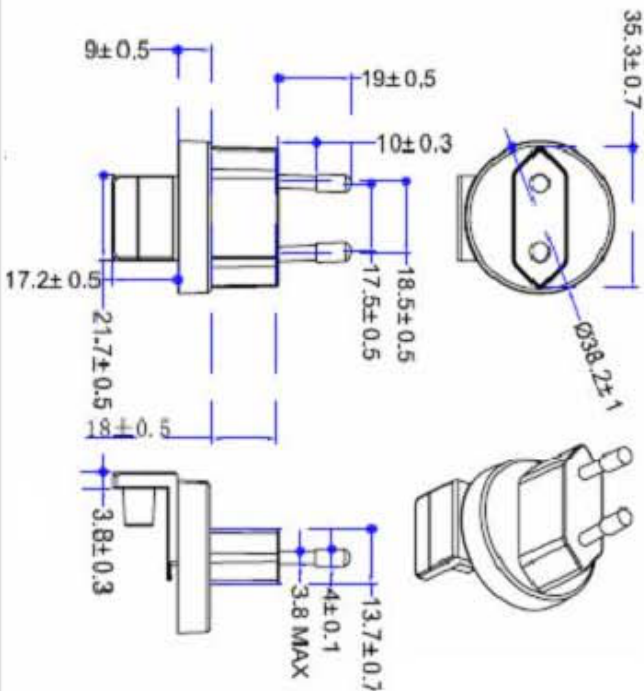
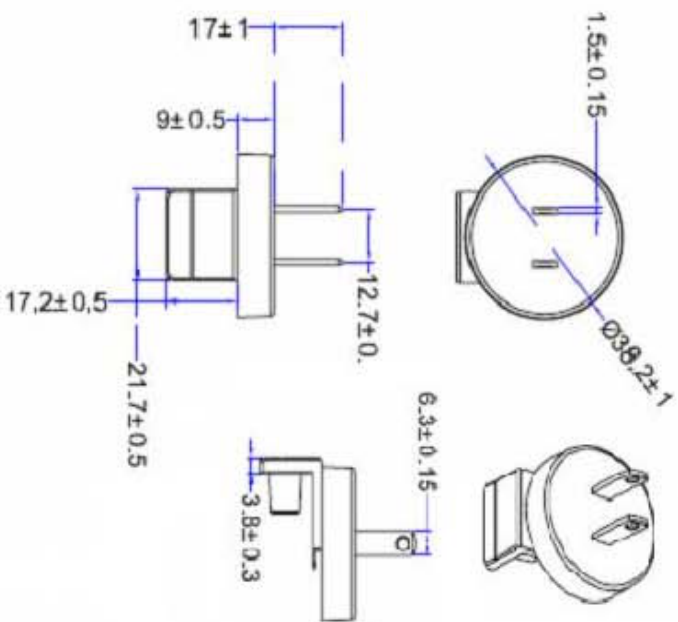
(5)OUTLOOKING CHECK



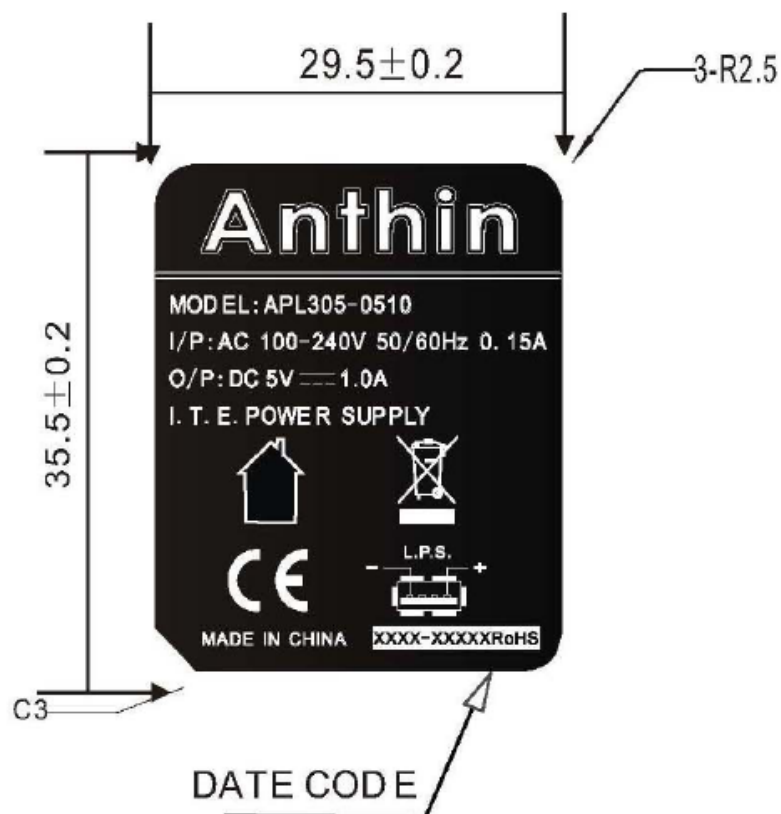
PIN: 4" -" PIN: 1" +"



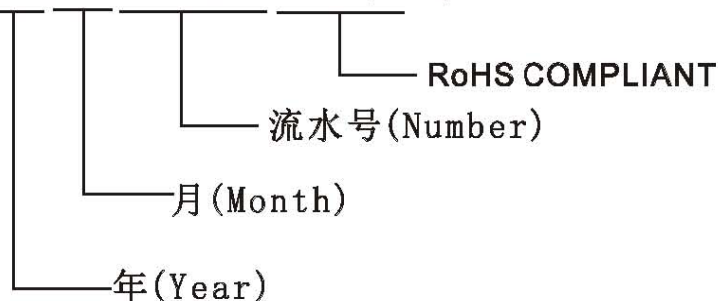
TOLERANCE				FINISH		XXXXXX		NAME		DIMENSION
Lt4	±0.05	±0.08	±0.1	±0.2						
4<L<20	±0.05	±0.1	±0.2	±0.3	MATERIAL	XXX	REV.	A1	NAME	DIMENSION
20<L<50	±0.1	±0.15	±0.3	±0.4						
50<L<200	±0.15	±0.25	±0.4	±0.6						
200<L	±0.2	±0.4	±0.5	±0.8						
DFG.	CHD.	APP.			SCALE	UNIT	REV.	REV.	PART NO.	
Anni					✓	mm	XXX	XXX	ST-0005	



TOLERANCES					FINISH		XXXXXX	
1st	±0.05	±0.08	±0.1	±0.3	XXXX	REV.	A1	
4th	±0.08	±0.1	±0.2	±0.4				
7th	±0.1	±0.2	±0.3	±0.5				
10th	±0.2	±0.3	±0.4	±0.6				
13th	±0.3	±0.4	±0.5	±0.7				
MATERIAL								
2004	±0.15	±0.25	±0.3	±0.8				
	±0.3	±0.4	±0.5	±0.9				
FEEL	CHRD.	APPL.			mm			
					mm			
jinh			SCALE	REF.	XXXX		PART NO.	
				ENC. ML.	XXXX			
DIMENSION								
ST-0005								



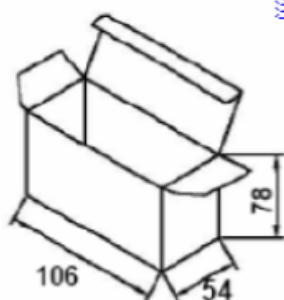
XXXX-XXXXRoHS



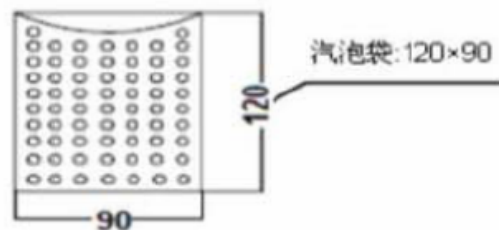
NOTE:

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

TOLERANCE					FINISH				NAME:		LABEL
$L \leq 4$	0.05	0.08	0.1	0.2							
$4 < L \leq 20$	0.08	0.1	0.2	0.3	MATERIAL	QTY			REV.	A1	
$20 < L \leq 50$	0.1	0.15	0.3	0.4							
$50 < L \leq 200$	0.15	0.25	0.4	0.6							
$200 < L$	0.2	0.4	0.5	0.8							
DEG.	CHKD.	APPD.	SCALE		UNIT	mm			PART NO.	ST-0005	
Anni					REF.						
					REM.						



注意：产品本体需装气泡袋
(120*90)



气泡袋

注：气泡袋不要用胶纸固定

WHITE INNER BOX+OUT CARTON

WHITE INNER BOX OUT SIDE DIMENSION :

L*W*H (106*54*78mm)

TOLERANCE : ± 3

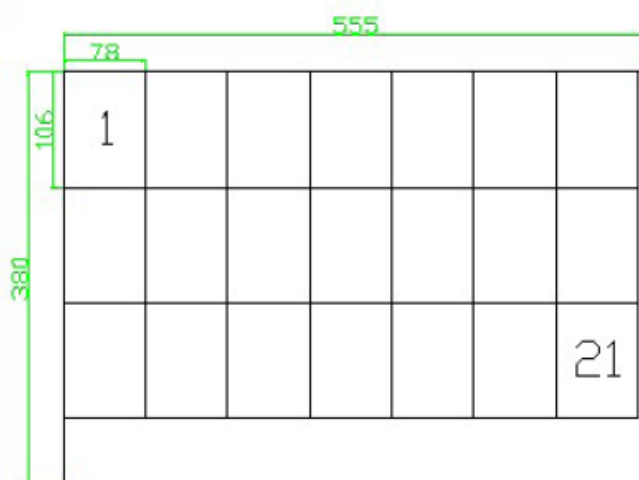
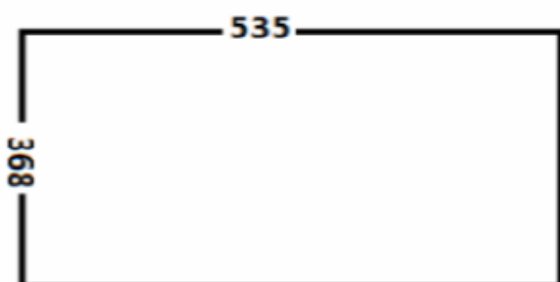
成品1PCS装入气泡袋+可换头放入小白盒

小白盒材质 (450G)

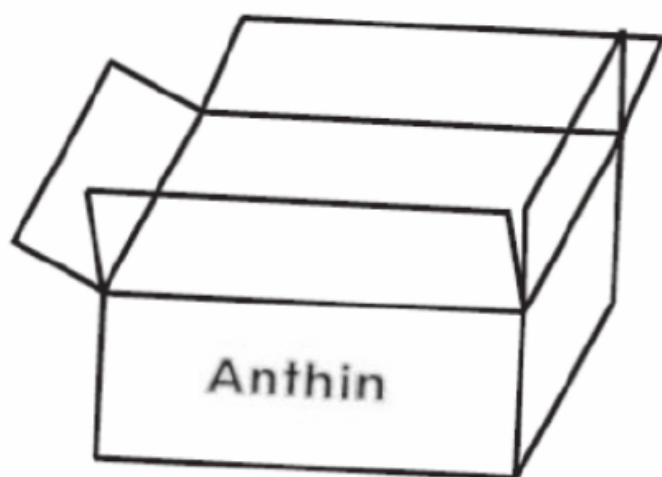
外径尺寸：长*宽*高

L*W*H (106*54*78mm)

TOLERANCE : ± 3



每层装21个小白盒，共可装4层。



成品84PCS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					
L<4	±0.05	±0.08	±0.1	±0.2						
4<L<20	±0.08	±0.1	±0.2	±0.3	MATERIAL				REV.	
20<L<50	±0.1	±0.15	±0.3	±0.4						
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			NAME	PACKING	
Anni			SCALE	REF.						
				DWG NO.				PART NO.	ST-0005	