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

Customer :

APPROVAL SHEET

PRODUCT: AC ADAPTOR(RoHS Compliant)

MODEL: API312-1012

PART NO. ST-0114

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

Anthin Power Supply Co.,Ltd. (China)
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FAX:+86-755-8980-1111
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info@anthin.cn

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info@anthin.co.jp

Anthin	DESCRIPTION	SWITCHING POWER AC ADAPTER	SHEET NO.	1 OF 4
			VER:	A1
	MODEL NO.	API312-1012	PART NO.	ST-0114

Anthin	DESCRIPTION	SWITCHING POWER AC ADAPTER	SHEET NO.	2 OF 4
			VER:	A1
	MODEL NO.	API312-1012	PART NO.	ST-0114

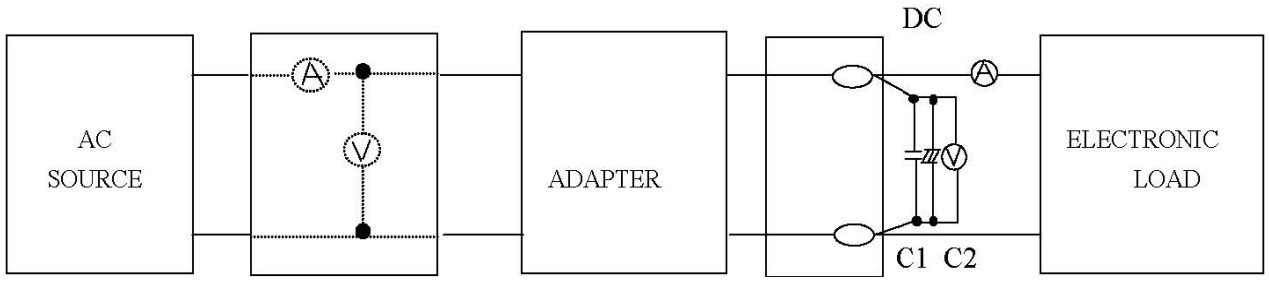
1.INPUT REQUIREMENT

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.			300mA
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			10Vdc	
DC OUTPUT VOLTAGE RANGE	TYPICAL OUTPUT VOLTAGE ±5%	9.5V		10.5V
LOAD CURRENT RANGE		0A		1.2A
PEAK LOAD CURRENT	TIME<60S			1.5A
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 TYPICAL LOAD			1S
OVER CURRENT PROTECTION	AUTO RECOVERY			
SHORT CIRCUIT PROTECTRON	THE ADAPTER SHALL NOT DAMAGE BY SHORT THE DC OUTPUT TO GROUND			
OVER VOLTAGE PROTECTION			11.5V	15V

*TEST MEASURES



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

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 APPEARNCE 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

6.OUTLOOKING

DIMENSION	:68.5(L)X50(W)X26.5(H)mm	
WEIGHT	:ABOUT 110g	
AC INPUT TYPE	:日规 2PIN 1.2米 八字尾AC线	
DC OUTPUT TYPE	:5.5×2.1×9.5 S TYPE	
		
DC OUTPUT CABLE	:USE 2468 20AWG 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 CE

8.QC CHECK

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

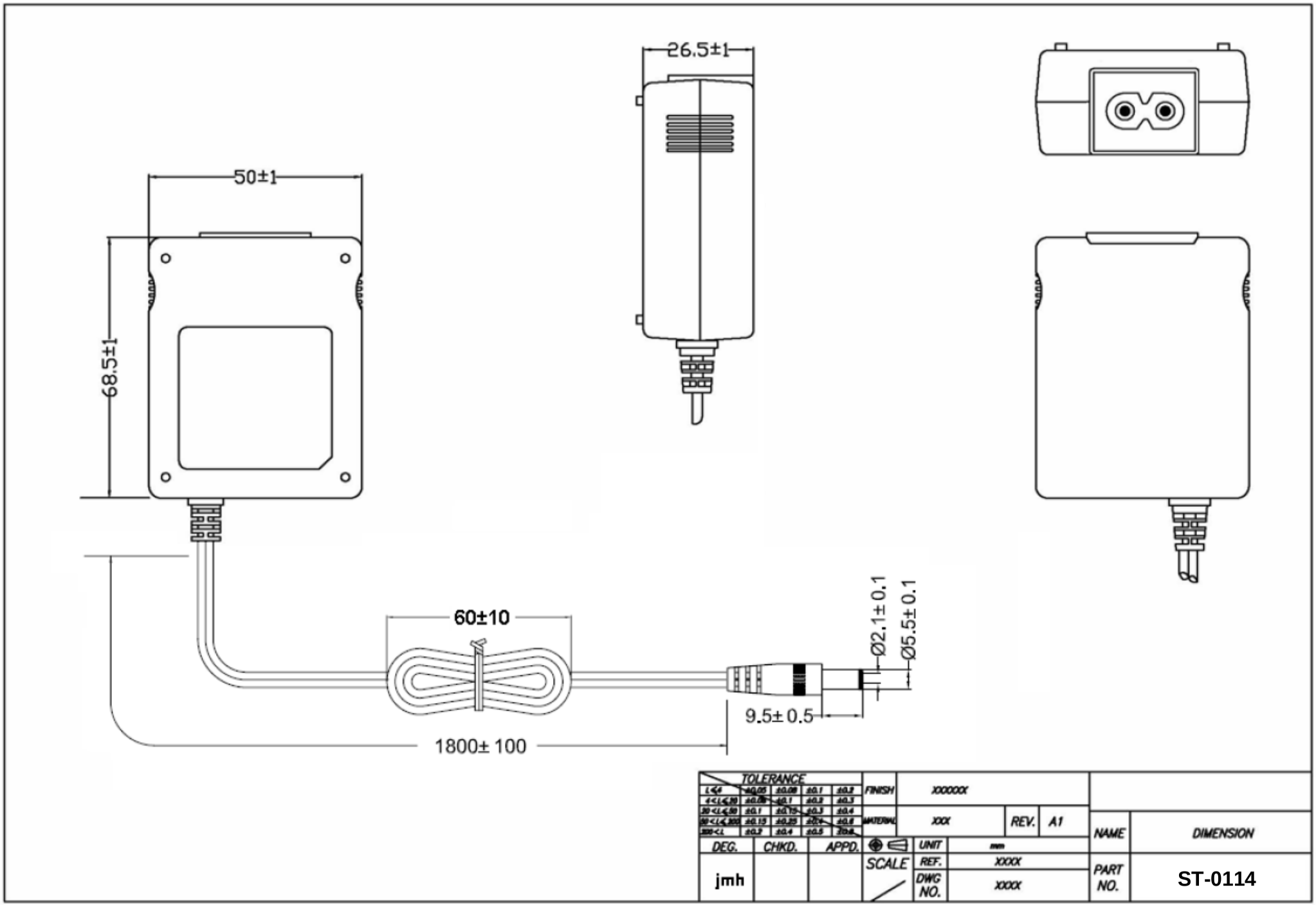
(1)DC PLUG POLE CHECK

(2)OCP FUNCTION CHECK

(3)DC OUTPUT VOLTAGE CHECK

(4)HIPOT&INSULATION CHECK

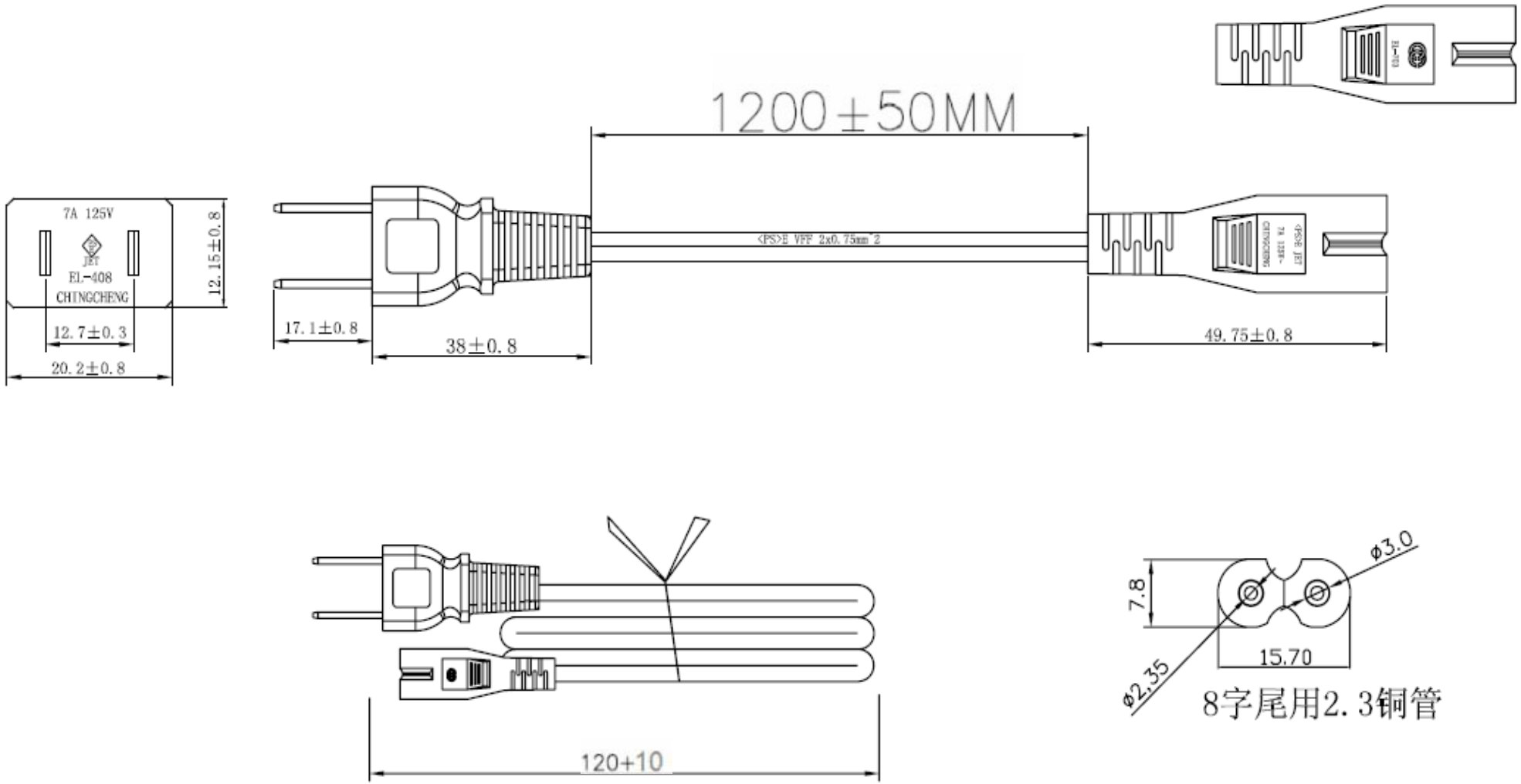
(5)OUTLOOKING CHECK



TOLERANCE							
L≤4	±0.05	±0.08	±0.1	±0.2	FINISH	XXXXXX	
4<L≤30	±0.08	±0.1	±0.2	±0.3			
30<L≤80	±0.1	±0.15	±0.3	±0.4	MATERIAL	XXX	REV. A1
80<L≤300	±0.15	±0.25	±0.4	±0.6			
300<L	±0.2	±0.4	±0.5	±0.8			

DEG.	CHKD.	APPD.	UNIT	mm
jmh			SCALE	REF. XXXX
				DWG NO. XXXX

NAME	DIMENSION
PART NO.	ST-0114

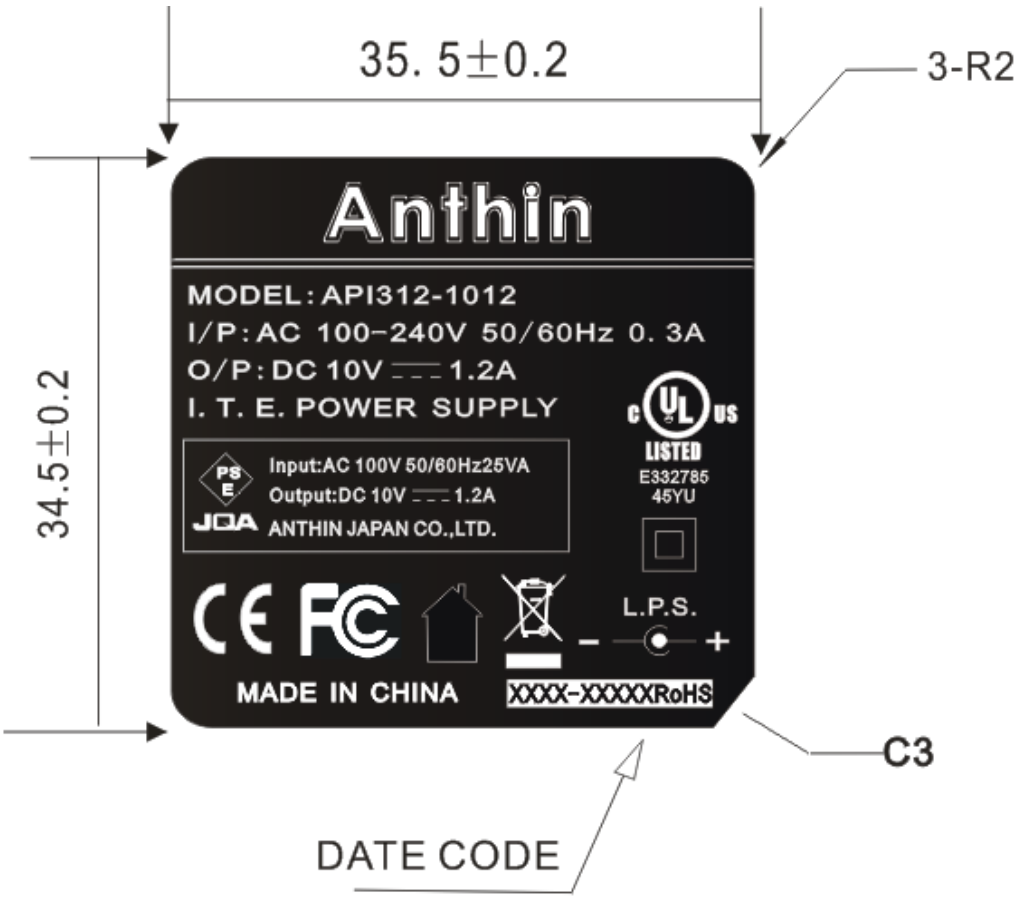


TOLERANCE				
L≤ 4	±0.03	±0.08	±0.1	±0.2
4 <L≤ 20	±0.05	±0.1	±0.2	±0.3
20 <L≤ 50	±0.1	±0.15	±0.3	±0.4
50 <L≤ 200	±0.15	±0.25	±0.4	±0.6
200< L	±0.2	±0.4	±0.5	±0.8

FINISH	XXXXXX		
MATERIAL	XXXXXX	QTY.	XXX
UNIT	mm		
REF.	XXXX		
REM.	XXXX		

NAME:	(PSE JET) AC CORD
REV	A1
PART NO.	ST-0114

DEG. | CHKD. | APPD. | SCALE



XXXX-XXXXXRoHS

- ROHS COMPLIANT
- 流水号(Number)
- 月(Month)
- 年(Year)

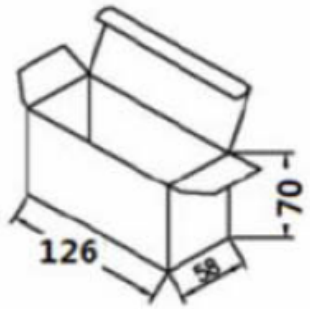
NOTE:

1.SILVER WORD(银字) ON BLACK BASE(黑底).

2.MATERIAL:PVC + MYLAR FILM

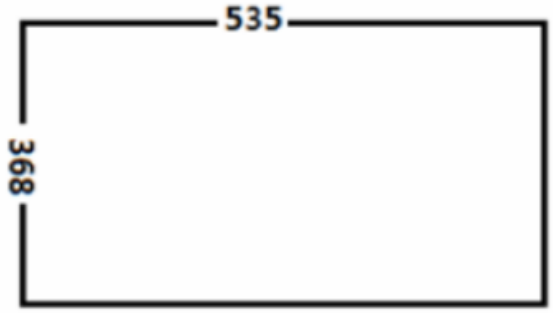
3.ROHS COMPLIANT.

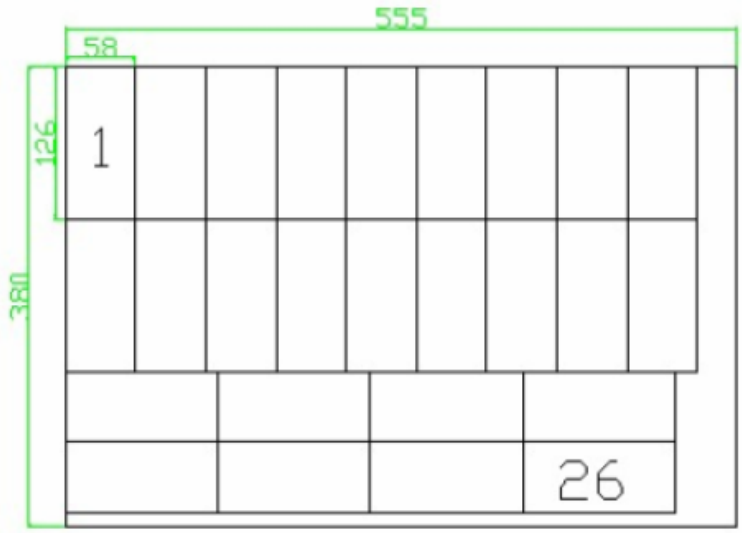
TOLERANCE					FINISH		NAME:	LABEL
L ≤ 4	0.05	0.08	0.1	0.2				
4 < L ≤ 20	0.08	0.1	0.2	0.3				
20 < L ≤ 50	0.1	0.15	0.3	0.4	MATERIAL	QTY	REV.	A1
50 < L ≤ 200	0.15	0.25	0.4	0.6				
200 < L	0.2	0.4	0.5	0.8				
DEG.	CHKD.	APPD.		UNIT	mm			
Anni			SCALE	REF.			PART NO.	ST-0114
				REM.				



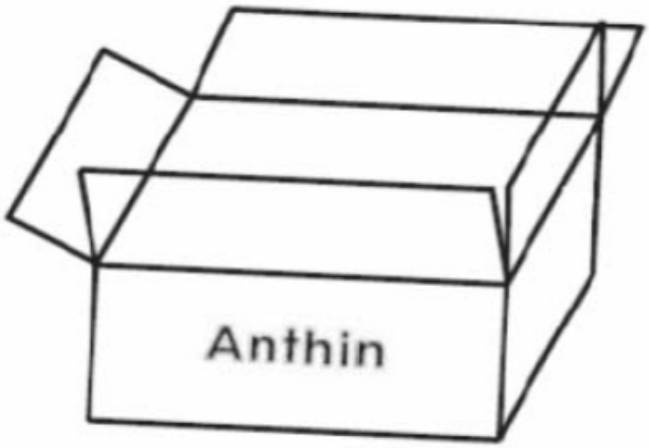
成品1PCS+1条AC线装入小白盒
小白盒材质（450G）
外径尺寸：长*宽*高
L*W*H（126*58*70mm）
TOLERANCE：±1

WHITE INNER BOX+OUT CARTON
WHITE INNER BOX OUT SIDE DIMENSION：
L*W*H（126*58*70mm）
TOLERANCE：±1





每层装26个小白盒，共可装3层。



成品78PCS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								
L≤4	±0.05	±0.08	±0.1	±0.2	FINISH			
4<L≤20	±0.08	±0.1	±0.2	±0.3				
20<L≤50	±0.1	±0.15	±0.3	±0.4	MATERIAL		REV.	A1
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	12.PACKING
Anni			SCALE	REF.	PART NO.	ST-0114
				DWG NO.		