

CUSTOMER : _____

DATE: 2010-10-10

SPECIFICATION

PRODUCT: AC/DC ADAPTER

MODEL NO. QIW-12W-1210L

SPEC NO. C001-020

VERSION : A1

RoHS COMPLIANT



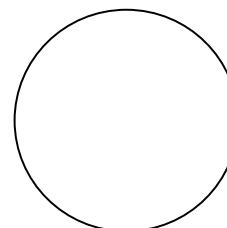
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**PLEASE APPROVE & RETURN BEFORE 2010-10-25
OR WE WOULD REGARD IT BEEN CONFIRMED.**

RESPONSIBLE	APPROVED	ISSUED
Thomson	Aiwei	Anni

ISSUES STAMP



Revised History

NO.	Revised Date	Description	Approved	Issued

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	DESCRIPTION	AC/DC ADAPTER	SHEET	1 OF 4
	MODEL NO.	QIW-12W-1210L	VERSION:	A1
			SPEC NO.	C001-020

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

	DESCRIPTION	AC/DC ADAPTER	SHEET NO.	2 OF 4
	MODEL NO.	QIW-12W-1210L	VERSION:	A1
			SPEC NO.	C001-020

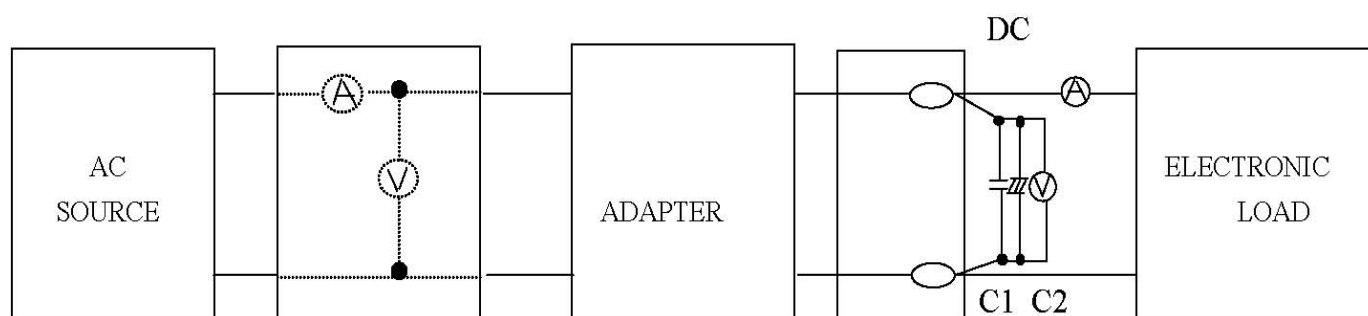
1.INPUT REQUIREMENT

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°C.			30A
EFFICIENCY	TYPICAL INPUT VOLTAGE& OUTPUT AT FULL LOAD	70%		

2.OUTPUT SPECIFICATION


ITEM	SPECIFICATION	MIN	TYP.	MAX
NORMAL DC OUTPUT VOLTAGE			12.0Vdc	
DC OUTPUT VOLTAGE RANGE	TYPICAL OUTPUT VOLTAGE $\pm 5\%$	11.40V		12.60V
LOAD CURRENT RANGE		0.1A		1.0A
PEAK LOAD CURRENT	TIME<60S			1.1A
RIPPLE	TYPICAL INPUT VOLTAGE , TYPICAL LOAD CURRENT , 25°C			120mV
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			
NO LOAD POWER DISSIPATION				0.3W
OVER VOLTAGE PROTECTION			14V	18.0V

*TEST MEASURES



C1: 0.1uF CERAMICS CAPACITOR

C2: 10uF 50V ALUMINUM CAPACITOR

	DESCRIPTION	AC/DC ADAPTER	SHEET NO.	3 OF 4
			VERSION:	A1
	MODEL NO.	QIW-12W-1210L	SPEC NO.	C001-020

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 AT SURFACE OF THE CASE WITH TYPICAL AC INPUT AND TYPICAL LOAD IN OUTPUT 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
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

	DESCRIPTION	AC/DC ADAPTER	SHEET NO.	4 OF 4
			VERSION:	A1
	MODEL NO.	QIW-12W-1210L	SPEC NO.	C001-020

6.OUTLOOKING

DIMENSION :60(L)X40(W)X21.5(H)mm
 WEIGHT :ABOUT 120g
 AC INPUT TYPE :2PIN INLET with interchangeable ac plugs
 DC OUTPUT TYPE :5.5*2.1*10mm S Type

DC OUTPUT CABLE :2468 22AWG 1800mm
 INDICATION :LABEL
 CASE MATERIAL :94V-0 ABS+PC
 PCB MATERIAL :94V-0

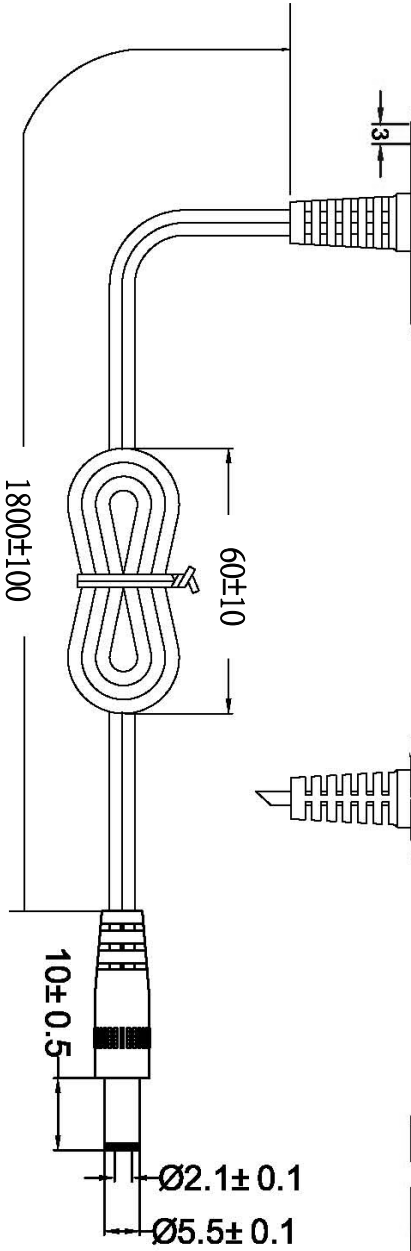
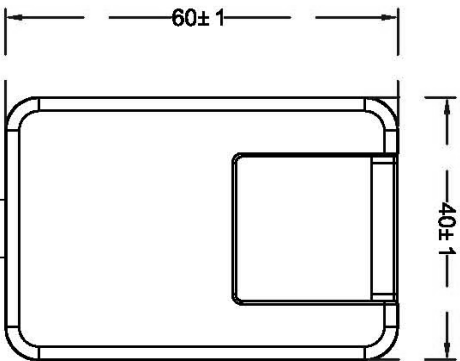
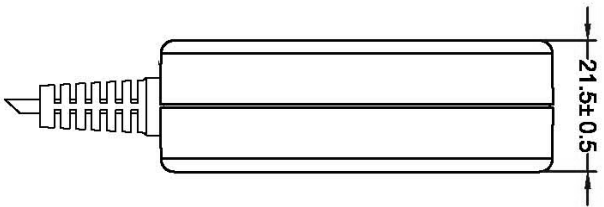
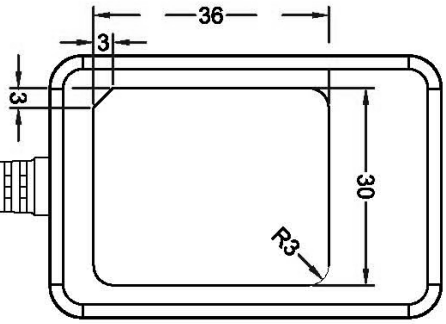
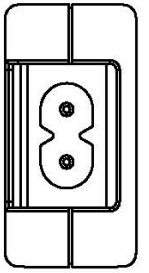
7.SAFETY

COMPLY SAFETY STANDARDS	STANDARD	FILE NO.
UL CUL		
PSE		

EMI
FCC CE

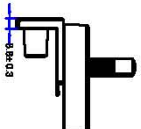
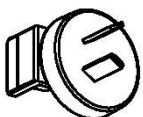
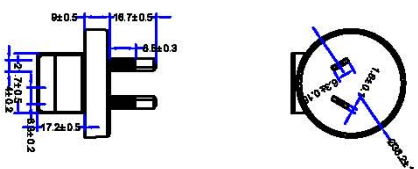
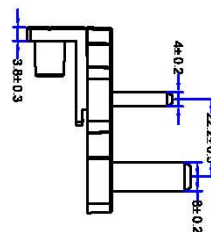
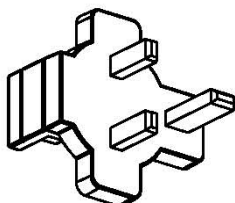
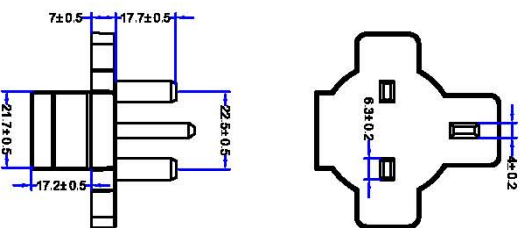
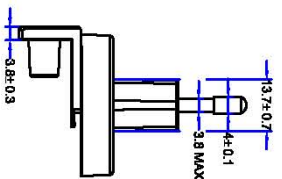
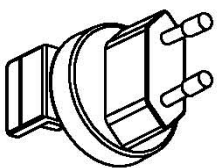
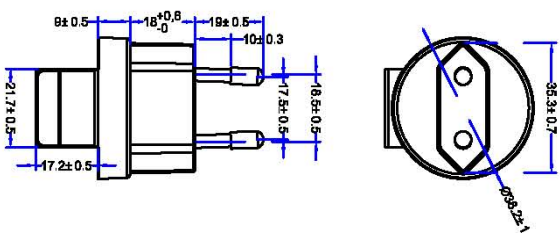
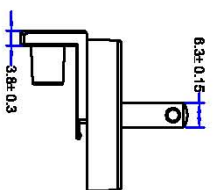
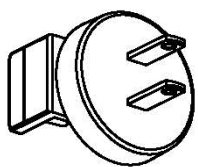
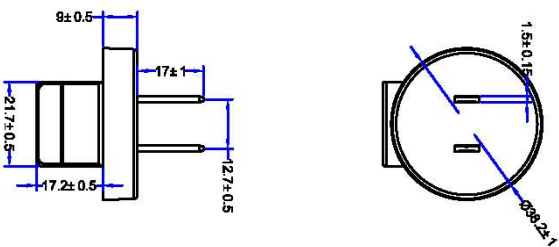
8.QC CHECK

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		FINISH		MATERIAL		NAME	
L4	±0.05	±0.05	±0.1	±0.2	±0.2	XXXXXX	DIMENSION
4-4.5	±0.05	±0.1	±0.2	±0.2	±0.2		
5-4.5	±0.1	±0.1	±0.2	±0.2	±0.2		
6-4.5	±0.1	±0.1	±0.2	±0.2	±0.2		
7-4.5	±0.2	±0.4	±0.5	±0.5	±0.5		

DEG.	CHKD.	APPR.	SCALE	DWG. NO.	PART NO.
Anni				XXXX	C001-020



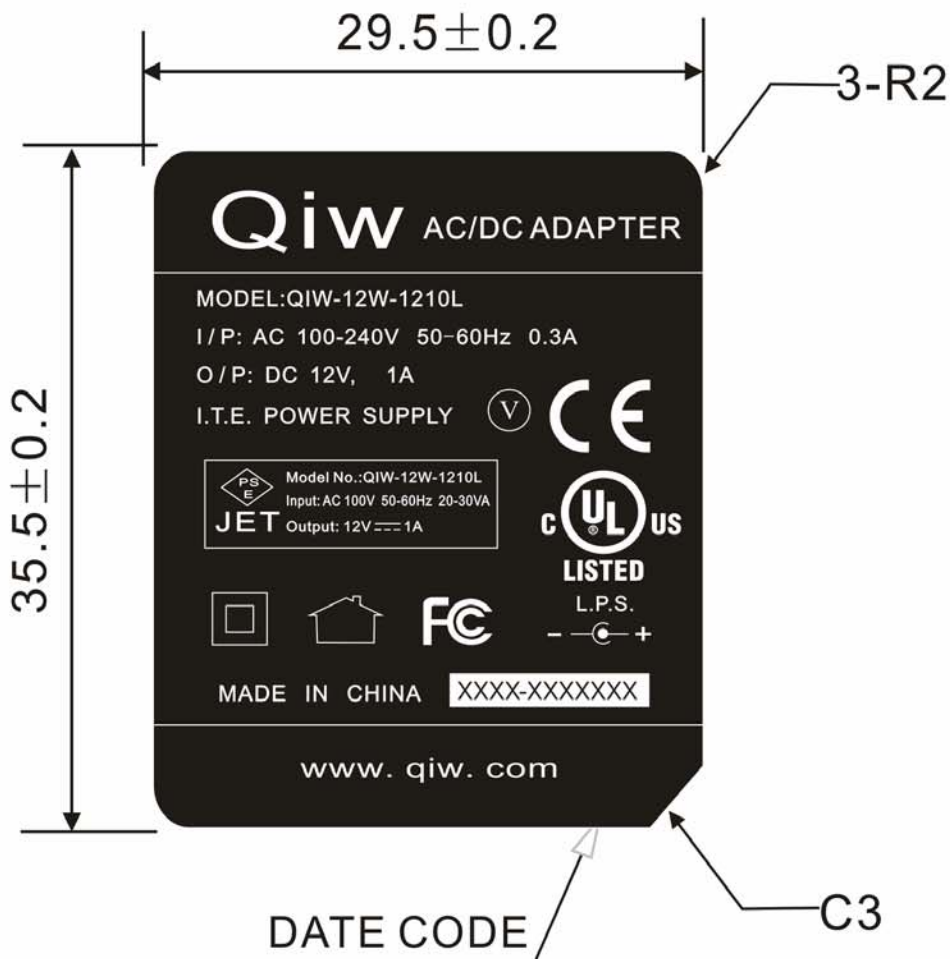
TOLERANCE	
L44	±0.05 ±0.08 ±0.1 ±0.2
44420	±0.05 ±0.1 ±0.2 ±0.3
20-4450	±0.1 ±0.2 ±0.3 ±0.4
50-45200	±0.15 ±0.25 ±0.3 ±0.6
200-4	±0.2 ±0.4 ±0.5 ±0.8

FINISH	XXXXXX
MATERIAL	XXX
UNIT	mm
REV.	A1

DIMENSION	
NAME	
PART NO.	

APPR.	CHKD.	SCALE	DWG NO.	PART NO.	\$\$\$%&\$\$

Anni



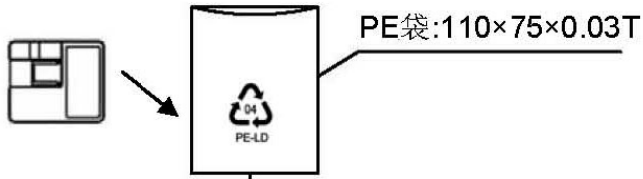
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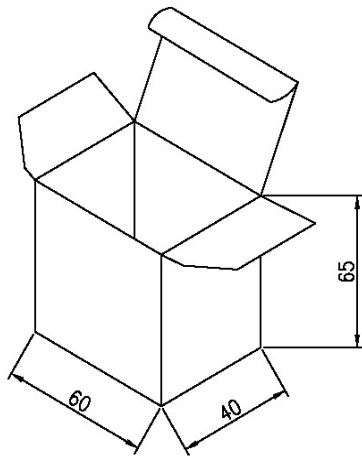
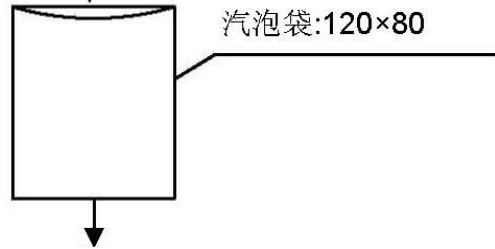
NOTE:

- 1.SILVER WORD ON BLACK BASE.
- 2.MATERIAL:PVC + MYLAR FILM.

TOLERANCE					FINISH				NAME	LABEL
L ≤ 4	4 < L ≤ 20	20 < L ≤ 50	50 < L ≤ 200	200 < L		MATERIAL	REV.	A1		
0.05	0.08	0.1	0.2							
0.08	0.1	0.2	0.3							
0.1	0.15	0.3	0.4							
0.15	0.25	0.4	0.6							
0.2	0.4	0.5	0.8							
DEG.	CHKD.	APPD.	SCALE	UNIT	mm	REF.	DWG NO.	PART NO.		
Anni	Aiwei	Thomson					AD00008		C001-020	



注:PE袋和汽泡袋不要用胶纸固定



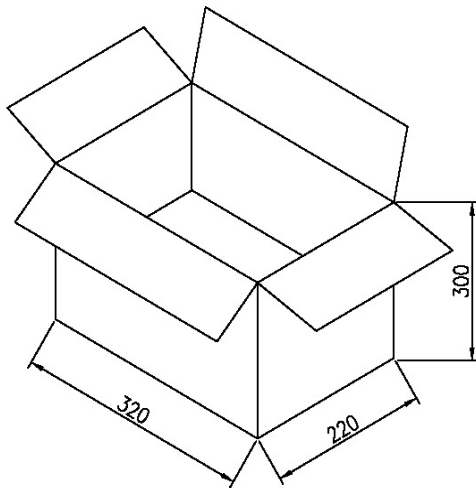
小白盒 500g

外徑寸法 長X寬X高

60×40×65

TOLERANCE:±1

一个小白盒内放一个产品



外箱:(K=K)

成品100PCS 放入

外徑寸法 長X寬X高

320X220X300

TOLERANCE:±3

TOLERANCE					FINISH				NAME	PACKING
L≤4	4<L≤20	20<L≤50	50<L≤200	200<L		MATERIAL	REV.	A1		
±0.05	±0.08	±0.1	±0.15	±0.2						
±0.08	±0.1	±0.15	±0.2	±0.3						
±0.1	±0.15	±0.2	±0.3	±0.4						
±0.15	±0.25	±0.4	±0.6	±0.8						
±0.2	±0.4	±0.5	±0.8	±1.0						
DEG.	CHKD.	APPD.	UNIT		mm					
Anni			SCALE		REF.				PART NO.	C001-020
			/		DWG NO.					