

CUSTOMER : _____

DATE: 2010-10-10

SPECIFICATION

PRODUCT: AC/DC ADAPTER
 MODEL NO. QIW-05W-0510C
 SPEC NO. C001-007
 VERSION : A1

RoHS COMPLIANT

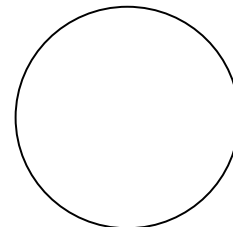


| |
|--------------------------------------|
| Receiver's stamp or signature |
| |

**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-05W-0510C | VERSION: | A1 |
| | | | SPEC NO. | C001-007 |

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-05W-0510C | VERSION: | A1 |
| | | | SPEC NO. | C001-007 |

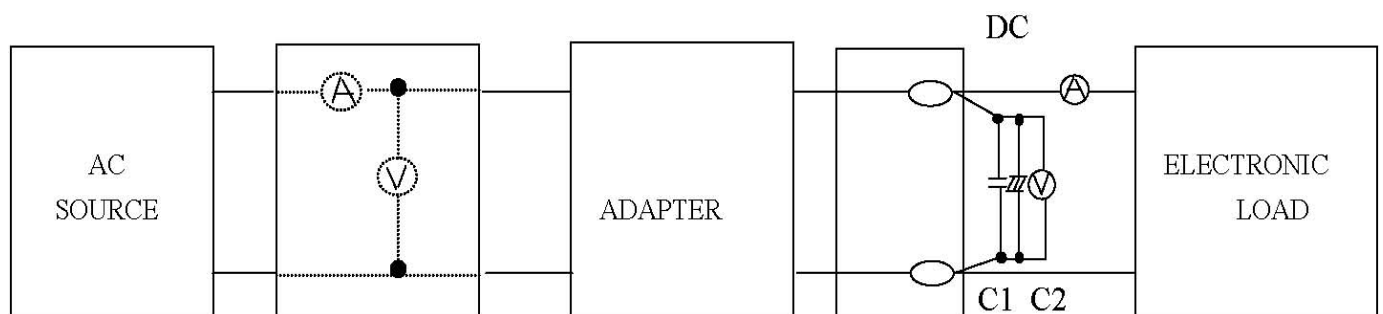
1.INPUT REQUIREMENT

| 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. | | | 200mA |
| 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 | | | 5.0Vdc | |
| DC OUTPUT VOLTAGE RANGE | TYPICAL OUTPUT VOLTAGE $\pm 5\%$ | 4.75V | | 5.25V |
| LOAD CURRENT RANGE | | 0.1A | | 1.0A |
| PEAK LOAD CURRENT | TIME<60S | | | 1.1A |
| RIPPLE | TYPICAL INPUT VOLTAGE , TYPICAL LOAD CURRENT , 25°C | | | 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 | | | |
| NO LOAD POWER DISSIPATION | | | | 0.3W |
| OVER VOLTAGE PROTECTION | | | 6V | 7.5V |

*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-05W-0510C | SPEC NO. | C001-007 |

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 |

| | | | | |
|--|-------------|---------------|-----------|----------|
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| | | | VERSION: | A1 |
| | MODEL NO. | QIW-05W-0510C | SPEC NO. | C001-007 |

6.OUTLOOKING

DIMENSION :46(L)X33.2(W)X23.4(H)mm
 WEIGHT :ABOUT 80g
 AC INPUT TYPE :WALL MOUNT
 DC OUTPUT TYPE :5.5x2.1x10mm S TYPE



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

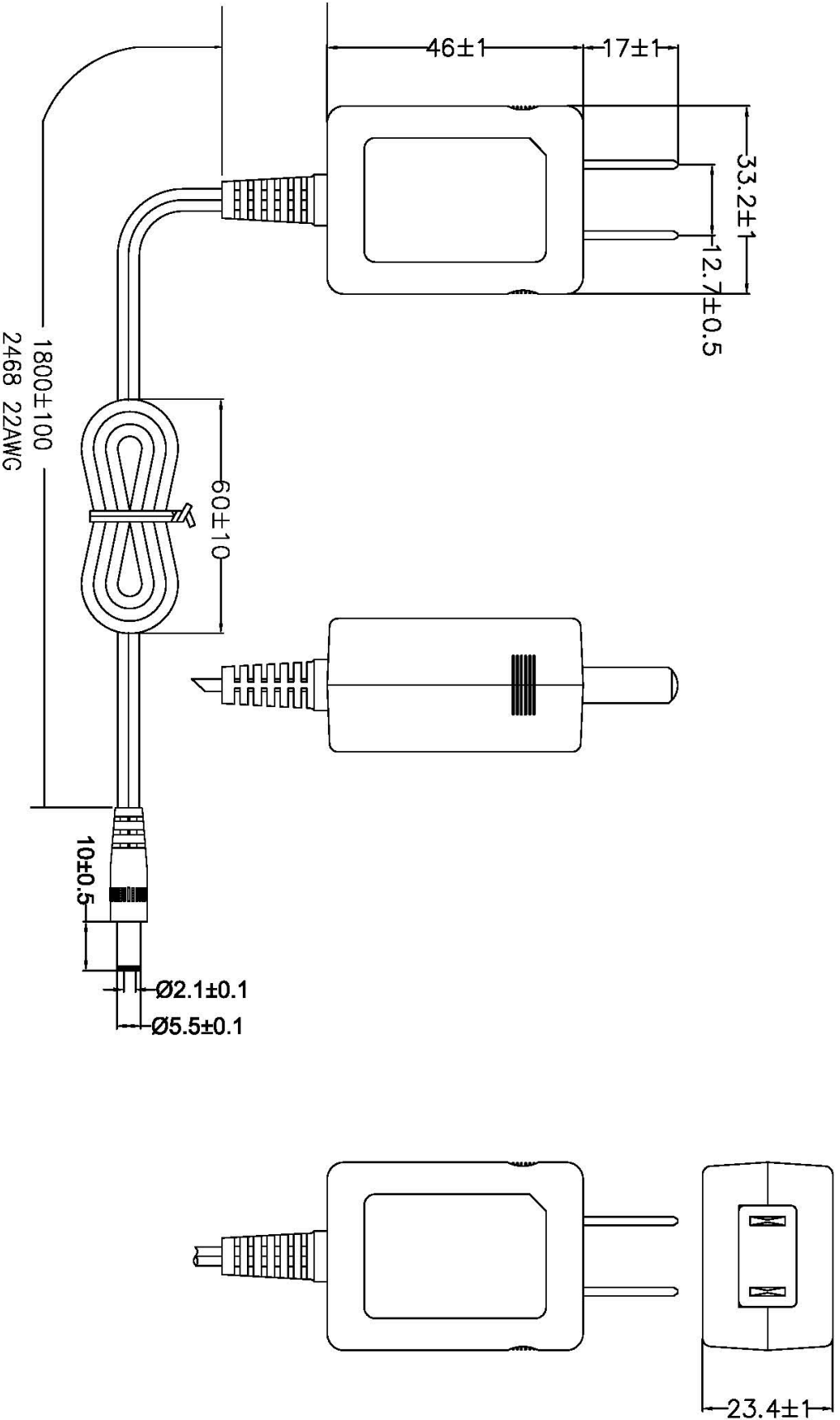
7.SAFETY

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

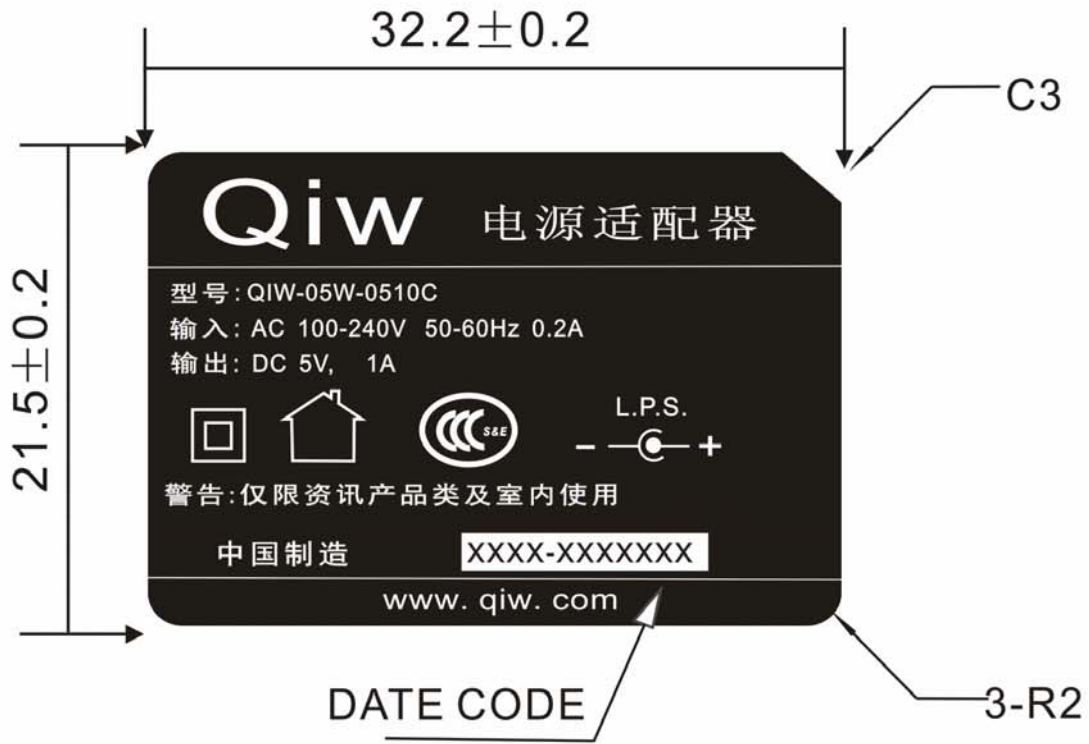
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|--------|
| EMI |
| FCC CE |

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 | | XXXXXX | | NAME | |
|-----------|-------|--------|------|--------|----------|------|-----------|
| L-4 | ±0.06 | ±0.08 | ±0.1 | ±0.2 | XXXXXX | REV. | A1 |
| 4-4.50 | ±0.05 | ±0.1 | ±0.2 | ±0.3 | MATERIAL | | |
| 20-4.50 | ±0.1 | ±0.15 | ±0.3 | ±0.4 | XXX | mm | |
| 50-4.500 | ±0.15 | ±0.25 | ±0.5 | ±0.6 | UNIT | XXXX | NAME |
| 200-4 | ±0.2 | ±0.4 | ±0.5 | ±0.8 | REF. | XXXX | DIMENSION |
| DEC. | CHRD. | APPR. | | | SCALE | | |
| | | | | | DMG | XXXX | PART NO. |
| Anni | | | | | | | |



NOTE:

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

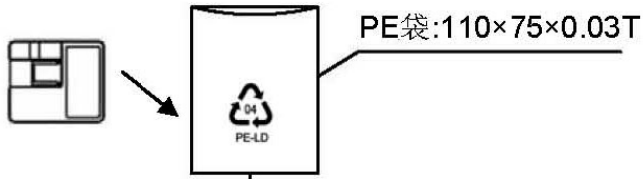
| TOLERANCE | | | | | FINISH | NAME: LABEL | |
|--------------|-------|---------|-------|------|----------|-------------|----------|
| L ≤ 4 | 0.05 | 0.08 | 0.1 | 0.2 | | MATERIAL | QTY. |
| 4 < L ≤ 20 | 0.08 | 0.1 | 0.2 | 0.3 | A1 | | |
| 20 < L ≤ 50 | 0.1 | 0.15 | 0.3 | 0.4 | PART NO. | | C001-007 |
| 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 | Aiwei | Thomson | SCALE | REF. | | | |
| | | | REM. | | | | |



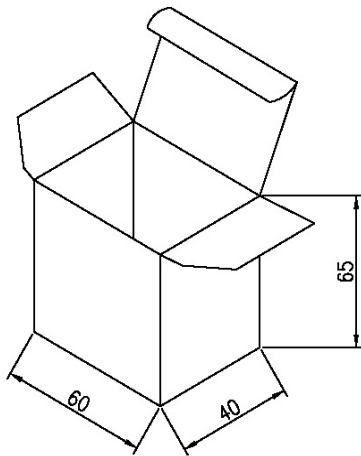
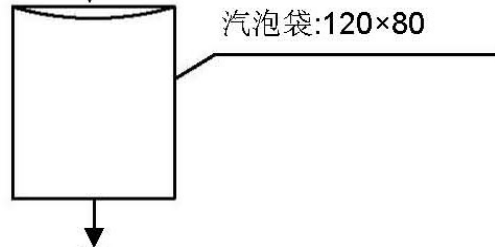
NOTE:

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

| TOLERANCE | | | | | FINISH | NAME: LABEL | |
|--------------|-------|---------|-------|-----|----------|-------------|------|
| L ≤ 4 | 0.05 | 0.08 | 0.1 | 0.2 | | MATERIAL | QTY. |
| 4 < L ≤ 20 | 0.08 | 0.1 | 0.2 | 0.3 | | | |
| 20 < L ≤ 50 | 0.1 | 0.15 | 0.3 | 0.4 | PART NO. | | |
| 50 < L ≤ 200 | 0.15 | 0.25 | 0.4 | 0.6 | | | A1 |
| 200 < L | 0.2 | 0.4 | 0.5 | 0.8 | | C001-007 | |
| DEG. | CHKD. | APPD. | | | UNIT | mm | |
| Anni | Aiwei | Thomson | SCALE | | REF. | | |
| | | | | | REM. | | |



注:PE袋和汽泡袋不要用胶纸固定



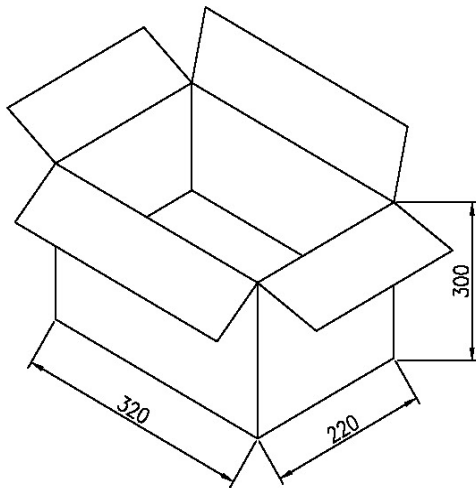
小白盒 500g

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 | ±0.2 | ±0.3 | | | | | | |
| ±0.08 | ±0.1 | ±0.2 | ±0.3 | ±0.4 | | | | | | |
| ±0.1 | ±0.15 | ±0.3 | ±0.4 | ±0.6 | | | | | | |
| ±0.15 | ±0.25 | ±0.4 | ±0.6 | ±0.8 | | | | | | |
| ±0.2 | ±0.4 | ±0.5 | ±0.8 | | | | | | | |
| DEG. | CHKD. | APPD. | UNIT | | mm | | | PART NO. | C001-007 | |
| | | | SCALE <td>REF. <td colspan="3"></td> </td> | REF. <td colspan="3"></td> | | | | | | |
| Anni | | | | DWG NO. | | | | | | |