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ELECTRONICS

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Jameco Part Number 203036

# SPECIFICATION

CUSTOMER: JAMES

DATE: '04.08.23

MODEL NO: DDU120150

DESIGNED NO: H4530

## 1. APPLICABLE SAFETY STANDARD :

T-MARK    PSE    UL 1310    UL 1950    C-CUL    GS    CE    商檢  
 SEMKO、DEMKO、FIMKO、NEMKO    OTHER : \_\_\_\_\_

## 2. GENERAL APPEARANCE :

- 2.1 THE GENERAL APPEARANCE OF THE AC/DC ADAPTOR SHALL BE WITHOUT DEFORMATION, CRACKS OR CORROSION.  
2.2 THE SHAPE, DIMENSIONS AND MARKINGS OF THE AC/DC ADAPTOR SHALL BE AS SPECIFIED IN THE CONSTRUCTION DRAWING AND NAME PLATE.

## 3. CHARACTERISTICS :

- 3.1 PRIMARY RATED VOLTAGE & LINE FREQUENCY : 120 VAC 60 Hz  
3.2 PRIMARY EXCITING CURRENT (Io) 90 mA MAX. AT INPUT 120 VAC 60 Hz.  
LOADING CURRENT (Ip) X mA MAX. AT INPUT X AC X Hz, LOAD X A.  
3.3 NO - LOAD LOSS : X W MAX. AT INPUT X VAC X Hz.  
3.4 SECONDARY RATED VOLTAGE AND CURRENT :

| PRIMARY VOLTAGE | RATE VOLTAGE | TOLERANCE | RATED CURRENT | NO-LOAD VOLTAGE | REGULATION |
|-----------------|--------------|-----------|---------------|-----------------|------------|
| 120VAC 60Hz     | 12VDC        | ±5%       | 1500mA-DC     |                 |            |
|                 |              |           |               |                 |            |
|                 |              |           |               |                 |            |
|                 |              |           |               |                 |            |

- 3.5 RIPPLE VOLTAGE : X mV(PK-PK) MAX. AT INPUT X VAC X Hz, LOAD X A.  
3.6 DC RESISTANCE : PRIMARY: X Ω ± X % MEASURED AT 25 °C .  
3.7 HI-POT TEST : AC 1240 V 50/60Hz FOR 1 MINUTES BETWEEN INPUT TO OUTPUT PLUG AND CASE NEED NORMAL PERFORMANCE , LEAKAGE CURRENT 1 mA.  
3.8 INSULATION RESISTANCE : 500 VDC 100 MΩ MIN. BETWEEN INPUT TO OUTPUT PLUG AND CASE.  
3.9 TEMPERATURE RISE : INPUT 120 VAC 60 Hz, OUTPUT LOAD 1.5 A FOR INPUT COIL 75 °C MAX (BY USE RESISTANCE METHOD) ON CASE SURFACE X °C MAX (BY USE THERMOMETER METHOD) AT 25°C AMBIENT.  
3.10 HUMIDITY TEST : TEMP. 40±2 °C, 90-95 % R.H FOR 4 HOURS , AFTER AT MINUTES TAKEN OUT FROM OVEN . AND WIPED DRY. TEST 3.4、3.7 AND INSULATION TEST 10 MΩ MIN.

## 4. MECHANICAL PERFORMANCE :

- 4.1 STRAIN-RELIEF TEST : 10 LB FOR 60 SEC. IN ANY DIRECTION .  
4.2 DROP TEST : UNIT IS TO BE DROPPED FROM 3 FEET HIGH ONTO A CONCRETE FLOOR COVERED WITH 1/8 INCH VINYL TILE 3 TIMES, THE UNIT SHOULD MEET THE ITEM 3.7、3.8.  
4.3 BENDING RELIEF TEST : THE CORD AND S/R SHALL WITHSTAND WEIGHT OFF 200 g, IT SWINGS FROM LEFT TO RIGHT AT AN ANGLE OF 120 deg, 300 CYCLE TIMES NIN.  
4.4 VIBRATION RESISTANCE : PRODUCT PACKAGED IN A INTENDED MANNER SHALL DEVELOP NO MECHANICAL OR ELECTRICAL FAILURE WHEN SUBJECTED TO A 1.5 mm PEAK TO PEAK AMPLITUDE , 10-50-10 Hz , VIBRATION IN EACH OF X , Y AND Z DIRECTIONS FOR 30 MINUTES .

## 5. TEMPERATURE RANGE:

- 5.1 USE TEMPERATURE EXTENT : 0 °C ~ +40 °C  
5.2 STORAGE TEMPERATURE EXTENT : -25 °C ~ +55 °C

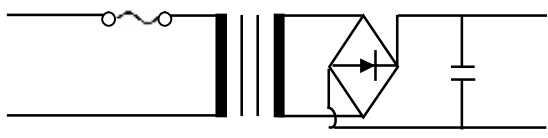
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# ELECTRICAL DATA

CUSTOMER: JAMES  
 MODEL NO: DDU120150

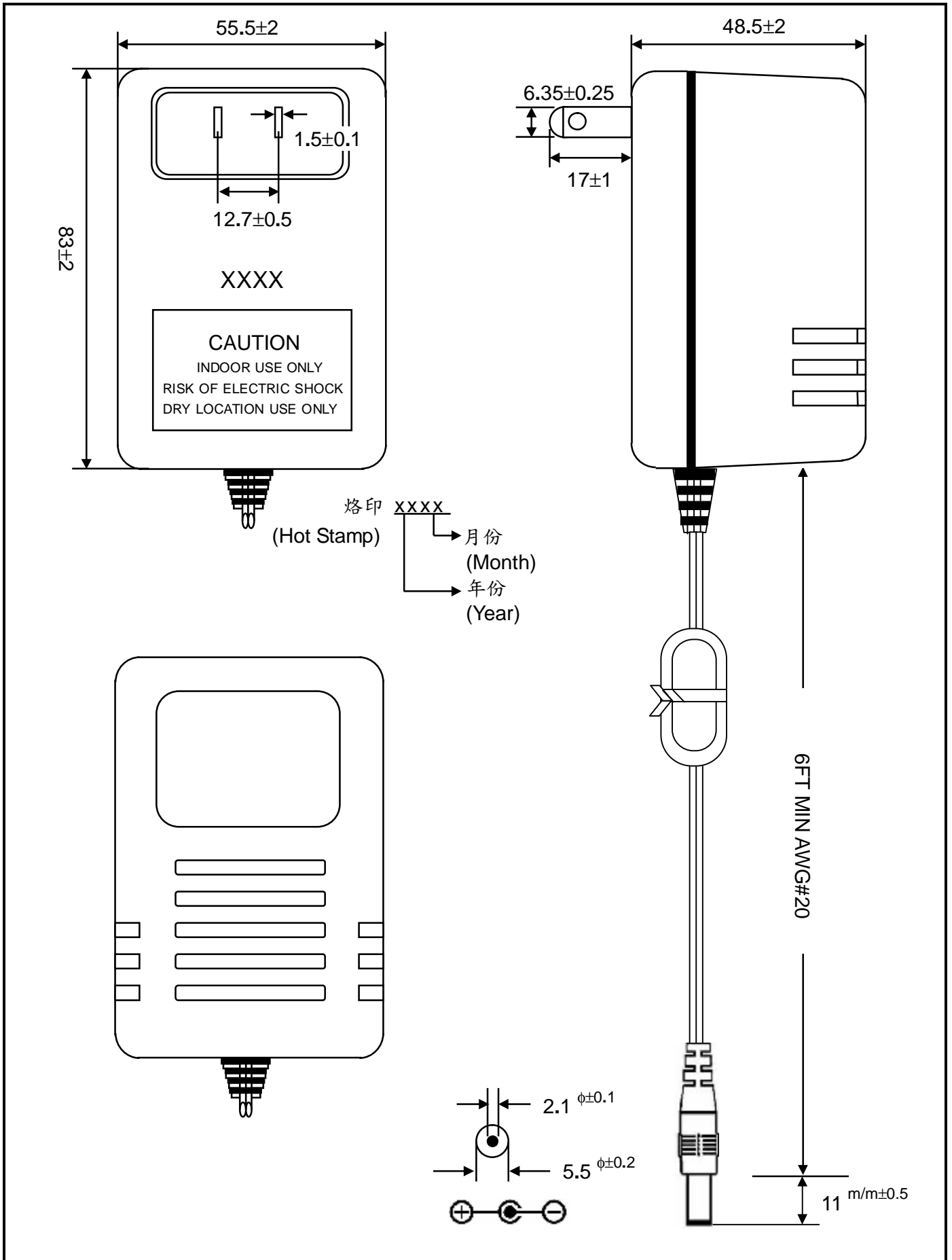
DATE: '04.08.23  
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| ITEM  | SPEC.                            | SAMPLE |   |   |   |   |   |   |   |   |    |
|---|----------------------------------|--------|---|---|---|---|---|---|---|---|----|
|   |                                  | 1      | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| PRIMARY EXCITING CURRENT<br>INPUT 120 V-AC 60 Hz  | 90mA<br>MAX.                     | 51     |   |   |   |   |   |   |   |   |    |
| PRIMARY LOAD CURRENT<br>INPUT 120 V-AC 60 Hz      | mA                               | 268    |   |   |   |   |   |   |   |   |    |
| SECONDARY #1 NO LOAD<br>DC VOLTAGE                |                                  | 16.75  |   |   |   |   |   |   |   |   |    |
| SECONDARY #1 DC VOLTAGE<br>LOAD 1500mA-DC         | 12V±5%                           | 11.93  |   |   |   |   |   |   |   |   |    |
|   |                                  |        |   |   |   |   |   |   |   |   |    |
|   |                                  |        |   |   |   |   |   |   |   |   |    |
|   |                                  |        |   |   |   |   |   |   |   |   |    |
|   |                                  |        |   |   |   |   |   |   |   |   |    |
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|   |                                  |        |   |   |   |   |   |   |   |   |    |
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|   |                                  |        |   |   |   |   |   |   |   |   |    |
|   |                                  |        |   |   |   |   |   |   |   |   |    |
|   |                                  |        |   |   |   |   |   |   |   |   |    |
|   |                                  |        |   |   |   |   |   |   |   |   |    |
| TEMP RISE AFTER 4 HRS<br>WARM UP IN 25 °C AMBIENT | 75 °C<br>MAX.                    | OK     |   |   |   |   |   |   |   |   |    |
| HI-POT<br>TEST                                    | PRI. TO SEC. & CORE<br>AC 1240 V | OK     |   |   |   |   |   |   |   |   |    |

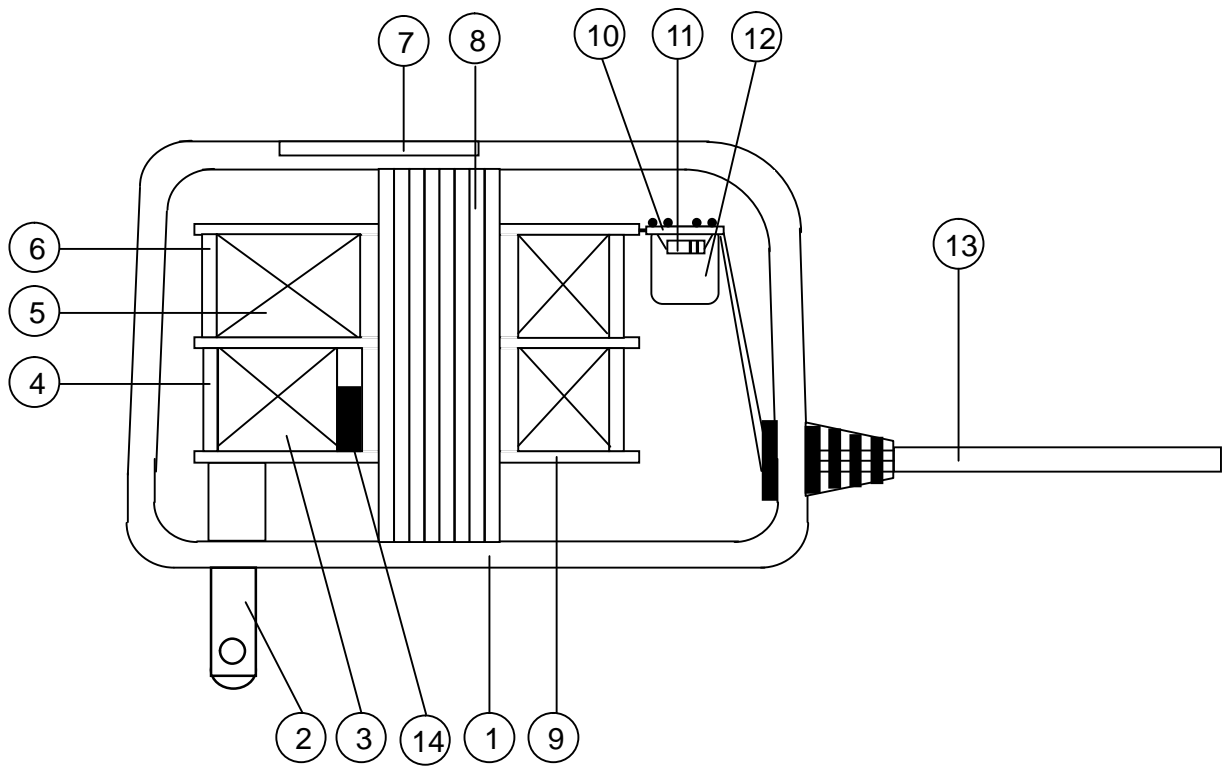


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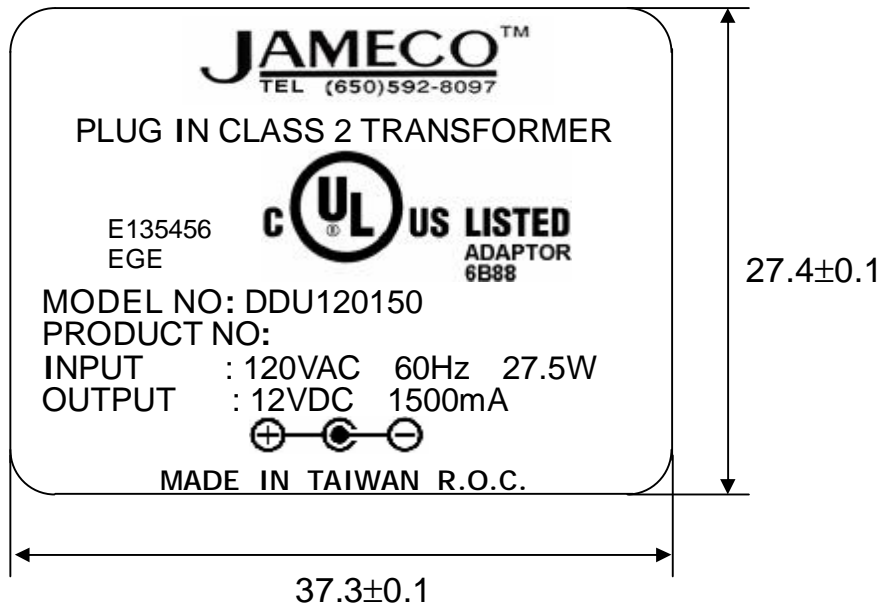
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| No | DESCRIPTION         | MATERIAL                             | SPEC. & Q'TY     | MANUFACTURE  |
|----|---------------------|--------------------------------------|------------------|--|
| 1  | Enclosure           | Noryl SE 100                         |                  | GE Plastics Japan Ltd. (E45587(B)                                  |
| 2  | Primary Blades      | Nickel Plating                       |                  | Spread Profit Co., Ltd. or Equivalent.                             |
| 3  | Primary Winding     | Polyurethane Enameled<br>Copper Wire |                  | Tai-I Electric Wire & Cable Co., Ltd.<br>(E85640(S))or Equivalent. |
| 4  | Primary Outerwarp   | Polyester Film Tape                  | 0.05mm (4T)      | Chyun Yih Tape Co., Ltd. (E81174)<br>or Equivalent.                |
| 5  | Secondary Winding   | Polyurethane Enameled<br>Copper Wire |                  | Tai-I Electric Wire & Cable Co., Ltd.<br>(E85640(S))or Equivalent. |
| 6  | Secondary Outerwarp | Polyester Film Tape                  | 0.025mm (2T)     | Chyun Yih Tape Co., Ltd. (E81174)<br>or Equivalent.                |
| 7  | Nameplate           | P.V.C                                | 0.35mm           | I Houng Name Plate Co., Ltd.<br>or Equivalent.                     |
| 8  | Core                | Silicon Steel                        | 0.5mm            | Top Silicon Steel Corp. or Equivalent.<br>or Equivalent.           |
| 9  | Bobbin              | Zytel 101 NY66                       |                  | E.I Dupont De Nemoure & Company<br>(E41938(M)) or Equivalent.      |
| 10 | Rectifier Board     | P.C.B                                | 94V-0            | Chen Hsien Enterprise Co. (E105119)<br>or Equivalent.              |
| 11 | Diodes              | RL201---5                            |                  | Master Instrument Corp. or Equivalent.<br>or Equivalent.           |
| 12 | Capacitor           | 2200uf/25V                           | 105°C            | Jun Fu Electronics Co., Ltd.<br>or Equivalent.                     |
| 13 | Output Cord         | Flexible Cord                        | AWG#20<br>UL2468 | Lu Her Wire & Cable Co., Ltd.<br>or Equivalent.                    |
| 14 | Thermal Cutoff      | M20 or UMI 322 or A2                 | 115°C            | Joint Force Metal Research (E142267N)<br>or Equivalent.            |

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1. 材質:PVC
2. 厚度:0.35  $\begin{matrix} +0.2 \\ -0.1 \end{matrix}$
3. 印刷:銀底黑字

|     |     |      |        |    |      |    |     |     |
|-----|-----|------|--------|----|------|----|-----|-----|
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|     |     |      | 李淑華    | 1  |      |    |     |     |
|     |     |      | 符號     | 日期 | 變更事項 |    | 修訂者 | 審核者 |
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