



**SPECIFICATION FOR APPROVAL**

DESCRIPTION : Transformer  
 SPECIFICATION : PQ2620-1.2mH  
 PART NO. : FWPTPQ2620V122J  
 ISSUE DATE : 29 June 2021

| <b>MANUFACTURER APPROVAL</b> |                          |                          |
|------------------------------|--------------------------|--------------------------|
| <b>PREPARED</b>              | <b>CHECKED</b>           | <b>APPROVED</b>          |
| 工程部<br>夏晓凯<br>2021.06.29     | 工程部<br>潘玉财<br>2021.06.29 | 工程部<br>王永生<br>2021.06.29 |

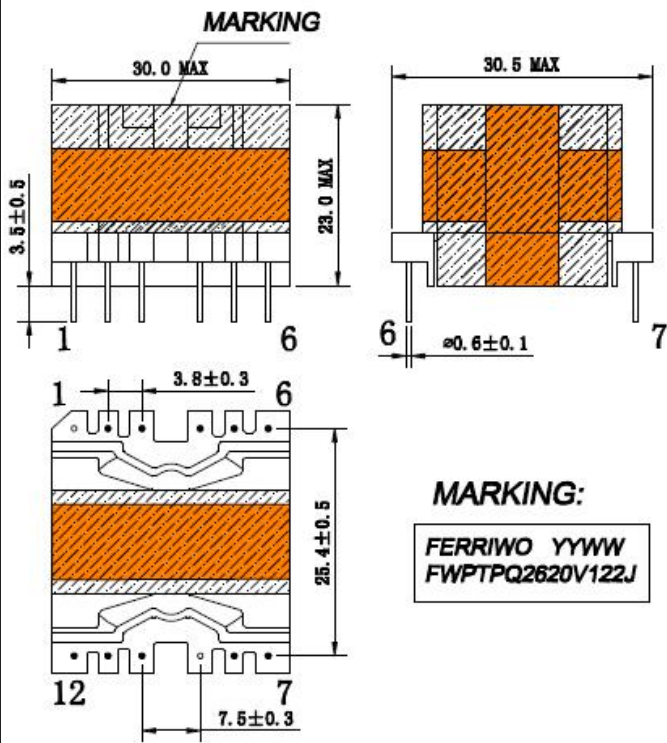
| <b>CUSTOMER APPROVAL</b> |                |                 |
|--------------------------|----------------|-----------------|
| <b>RECEIPT</b>           | <b>CHECKED</b> | <b>APPROVED</b> |
|                          |                |                 |

| <b>Haining Ferriwo Electronics Co., Ltd.</b>   |                       |
|--|-----------------------|
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# SPECIFICATION

## 1. PHYSICAL DIMENSION(UNIT: m/m):



**NOTE1:PIN1.9 CUT OFF.**

**NOTE2:**

- 1.Core fix tape 2Ts;
- 2.Coil fix tape 2Ts;
- 3.Core outside fix 0.05\*10.0mm copper foil 1Ts;
- 4.Coil outside fix 0.05\*8.0mm copper foil 1Ts;
- 5.One end of φ0.3mm wire is welded to the interface of the two copper foils and the other end is welded to Pin 2;
- 6.Core fix tape 2Ts;
- 7.Coil fix tape 2Ts.

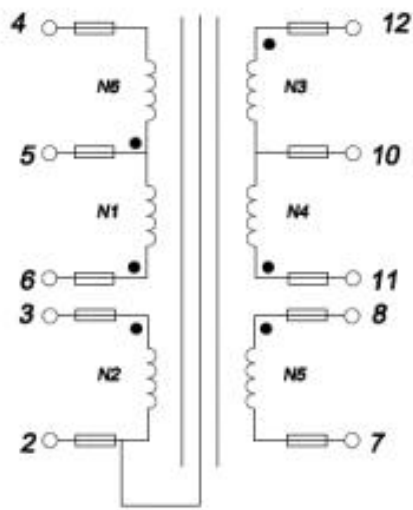
**LEAD FREE**

\*.The Label is placed on the product(see the picture above).

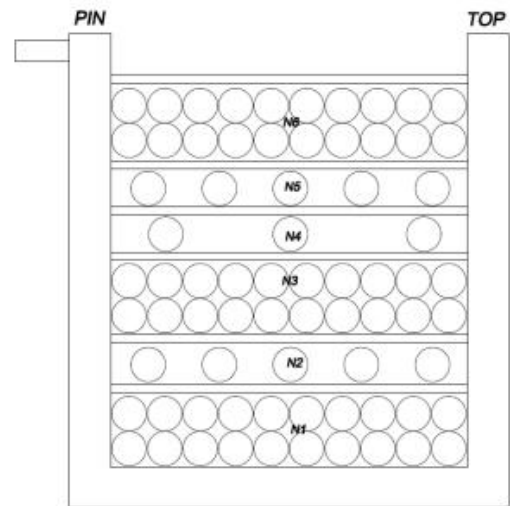
| DIM            | A           | B | C | D | E        | F                 | G | H        |                   |  |  |  |
|----------------|-------------|---|---|---|----------|-------------------|---|----------|-------------------|--|--|--|
| SPEC           |             |   |   |   |          |                   |   |          |                   |  |  |  |
| <b>FERRIWO</b> |             |   |   |   |          | DESCRIPTION       |   |          | TRANSFORMER       |  |  |  |
|                |             |   |   |   |          | Customer P/N      |   |          | PQ2620-1.2mH      |  |  |  |
|                |             |   |   |   |          | FERRIWO P/N       |   |          | FWPTPQ2620V122J   |  |  |  |
| SPEC. NO.      | PS-2021-060 |   |   |   | PREPARED | 夏晓凯<br>2020.05.22 |   | APPROVED | 王永生<br>2020.05.22 |  |  |  |

# SPECIFICATION

## 2. SCHEMATIC DIAGRAM:



## 3. CROSS SECTION:



## 3.WINDING TABLE:

| Winding NO. | Margin Tape | PIN   | Wire & Wire Copper       | Turns | Winding Type | Tape Layer | Tube |
|-------------|-------------|-------|--------------------------|-------|--------------|------------|------|
| N1          |             | 6~5   | 0.10 $\phi$ x 9P (LITZ)  | 34Ts  | CLOSE        | 2Ts        |      |
| N2          |             | 3~2   | 0.1 $\phi$ x 4P (LITZ)   | 5Ts   | SPREAD       | 2Ts        |      |
| N3          |             | 12~10 | 0.60 $\phi$ x 1P (TRW-B) | 20Ts  | CLOSE        | 2Ts        |      |
| N4          |             | 11~10 | 0.20 $\phi$ x 1P (TRW-B) | 3Ts   | SPREAD       | 2Ts        |      |
| N5          |             | 8~7   | 0.20 $\phi$ x 1P (TRW-B) | 5Ts   | SPREAD       | 2Ts        |      |
| N6          |             | 5~4   | 0.10 $\phi$ x 9P (LITZ)  | 34Ts  | CLOSE        | 2Ts        |      |

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### NOTE:

1. Products should be vacuum varnish.
  - \*VARNISH RATIO:1:2
  - \*VACUUM TIME:15~20minutes
  - \*BAKED TEMPERATURE:120°C±10°C,1~1.5huors

|              |                 |
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|           |             |          |                   |          |                   |
|-----------|-------------|----------|-------------------|----------|-------------------|
| SPEC. NO. | PS-2021-060 | PREPARED | 夏晓凯<br>2021.06.29 | APPROVED | 王永生<br>2021.06.29 |
|-----------|-------------|----------|-------------------|----------|-------------------|

# SPECIFICATION

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## 4. ELECTRONICAL CHARACTERISTIC:

TEST CONDITION : TEMPERATURE AT 25°C

HUMIDITY AT 65 ±5% RH

| TEST ITEM              | TEST CONDITION      | RESULT             |
|------------------------|---------------------|--------------------|
| INDUCTANCE<br>CH-3250  | @1KHz,0.3V<br>(6~4) | 1.2mH±5%           |
| HI-POT TEST<br>CH-9052 | @ 5mA 60SEC (AC)    | P<->S      3.0 KV; |

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# SPECIFICATION

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## 5. MATERIAL LIST :

| ITEM | MATERIAL          | SUPPLIER OR MANUFACTURER           | TEMPRATING  |      |
|------|-------------------|------------------------------------|---|------|
| 1    | CORE<br>PQ2620    | FW40<br>OR EQUIVALENT              | HAINING FERRIWO ELECTRONICS CO., LTD.                         |      |
| 2    | BOBBIN<br>FWB2601 | PHENOLIC<br>OR EQUIVALENT          | CHANG CHUN PLASTICS CO., LTD.<br>UL NO E59481                 | 150℃ |
| 3    | WIRE              | 2UEW-F                             | PACIFIC ELECTRIC WIRE&CABLE(SHENZHEN) CO. LTD<br>UL NO E84081 | 155℃ |
| 4    | TRIPLE<br>WIRE    | TRIPLE. INSULATION. WIRE<br>TRW(B) | GREAT LEOFロン INDUSTRIAL CO.,LTD<br>UL NO E211989              | 130℃ |
| 5    | TUBE              | TEFLON TUBE                        | GREAT HOLDING INDUSTRIAL CO.,LTD<br>UL NO E156256             | 200℃ |
| 6    | TAPE              | CT280                              | YAHUA STICKING TAPE CO.,LTD<br>UL NO E165111                  | 130℃ |
| 7    | COPPER<br>FOIL    | 0.05*8.0mm ,0.05*10.0mm            | YAHUA STICKING TAPE CO.,LTD                                   |      |
| 8    | VARNISH           | BC-346A                            | JOHN C DOLPH CO BC-346A<br>UL NO E317427                      | 130℃ |
| 9    | FLUX              | TF9100                             | LINAN GUITONG CHEMICAL TECHNICAL CO.,LTD                      |      |
| 10   | TIN               | Sn99.3Cu0.7                        | HAINING ZHUCHANG METAL FOIL CO;LTD                            |      |

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