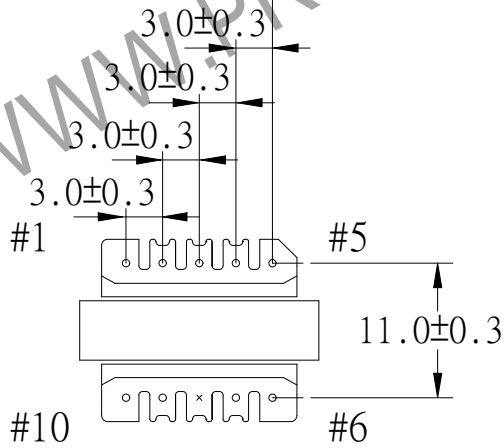
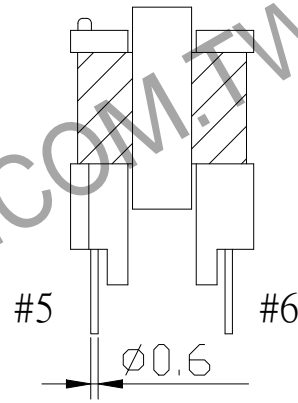
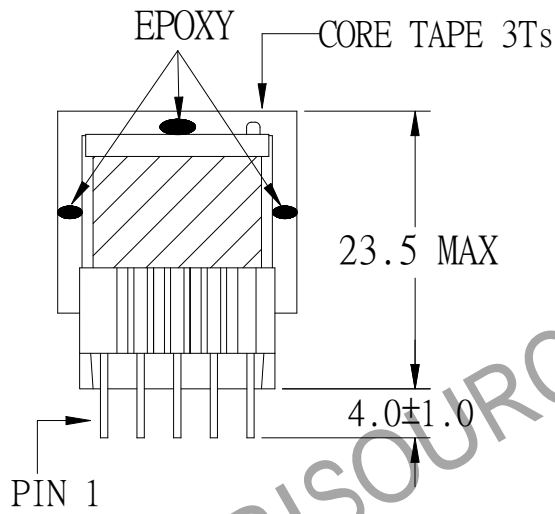
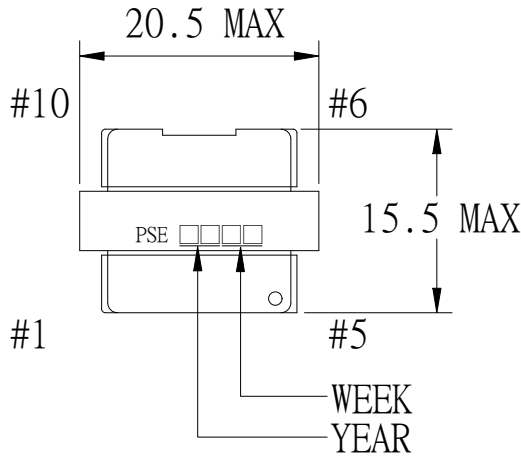


# 1. MECHANICAL & ASSEMBLY :



## NOTE:

1. EPOXY FIXED BETWEEN CORE & CORE (TTL:4 POINTS)
2. EPOXY FIXED TOP OF BOBBIN & CORE.(ONE POINT AT PIN1-5 SIDE).
3. PIN 8 NO.

UNIT:mm

|           |          |             |                     |         |       |
|-----------|----------|-------------|---------------------|---------|-------|
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## 2. WINDING CONFIGURATION :

| STEP | WINDING | MARGIN TAPE | START-FINISH | COPPER WIRE | TURNS | LAYER TAPE | TUBE | METHOD |
|------|---------|-------------|--------------|-------------|-------|------------|------|--------|
| 1    | P1      |             | 3 - 4        | 0.16φ       | 90    | 1T/2Ts     |      | CLOSE  |
| 2    | S1      |             | 6 - 7        | TEX-E 0.25φ | 20    | 2Ts        |      | CLOSE  |
| 3    | P2      |             | 9 - 10       | 0.30φ       | 9     | 2Ts        |      | SPACE  |
| 4    | P4      |             | 4 - 5        | 0.16φ       | 90    | 1T/1T      |      | CLOSE  |
| 5    | P3      |             | 2 - 1        | 0.23φ       | 28    | 2Ts        |      | CLOSE  |
|      |         |             |              |             |       |            |      |        |
|      |         |             |              |             |       |            |      |        |
|      |         |             |              |             |       |            |      |        |

NOTE:

## 3. ELECTRICAL CHARACTERISTICS :

| PIN NO. | INDUCTANCE<br>1 KHz, 1.0Vrms | LEAKAGE INDUCTANCE<br>KHz, Vrms | VOLTAGE RATIO(V)<br>F= 20KHz | DCR MAX.<br>AT 25°C |
|---------|------------------------------|---------------------------------|------------------------------|---------------------|
| 3 - 5   | 2.8mH±10.0%                  |                                 | INPVT 1Vrms                  | 5.75 Ω              |
| 3 - 4   |                              |                                 | 0.4900Vrms±4%                | 2.5 Ω               |
| 6 - 7   |                              |                                 | 0.1106Vrms±4%                | 0.28 Ω              |
| 9 - 10  |                              |                                 | 0.0503Vrms±5%                | 95.0mΩ              |
| 4 - 5   |                              |                                 | 0.5101Vrms±3%                | 3.3 Ω               |
| 2 - 1   |                              |                                 | 0.1582Vrms±4%                | 0.55 Ω              |

HI-POT TEST :( AT 1 mA , 2SEC. )

PRI. TO SEC. 1800. VAC

SEC TO CORE. 1800. VAC

PRI TO CORE. 600. VAC

INSULATION RESISTANCE:(AT DC 500V)

PRI. TO SEC. 100 MΩ MIN.

PRI. SEC TO CORE. 100 MΩ MIN.

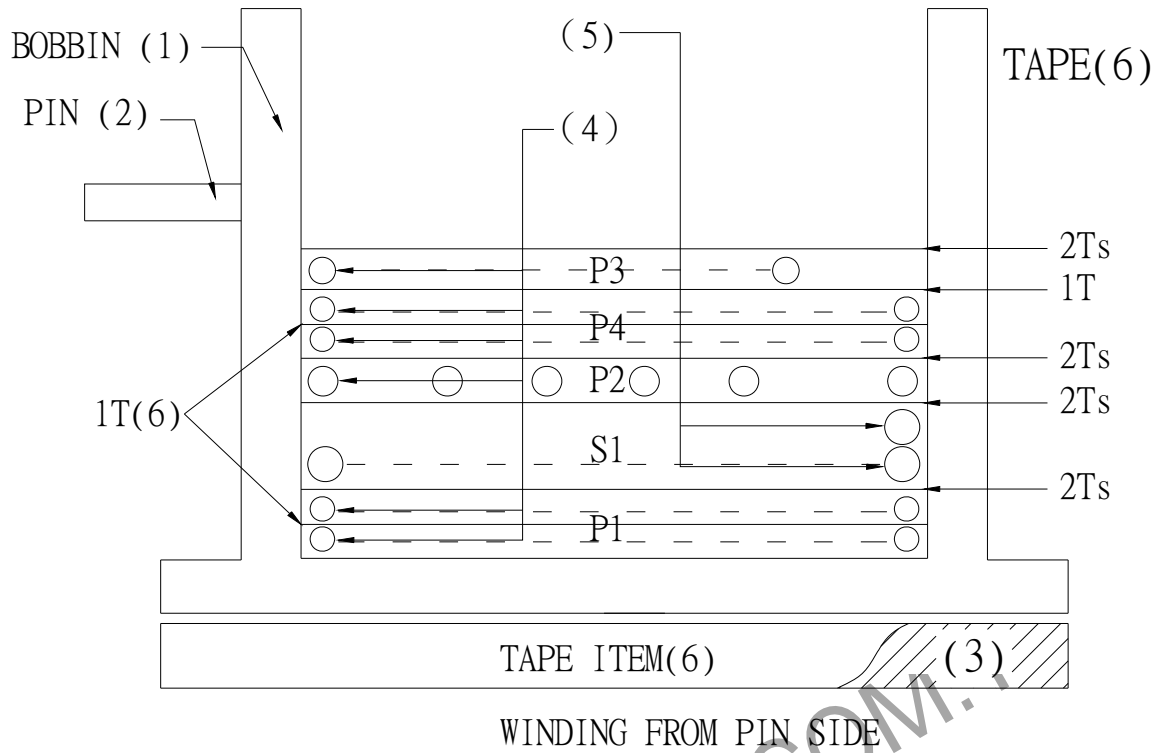
INSULATION CLASS : CLASS E

使用溫度範圍 : -25°C -120°C

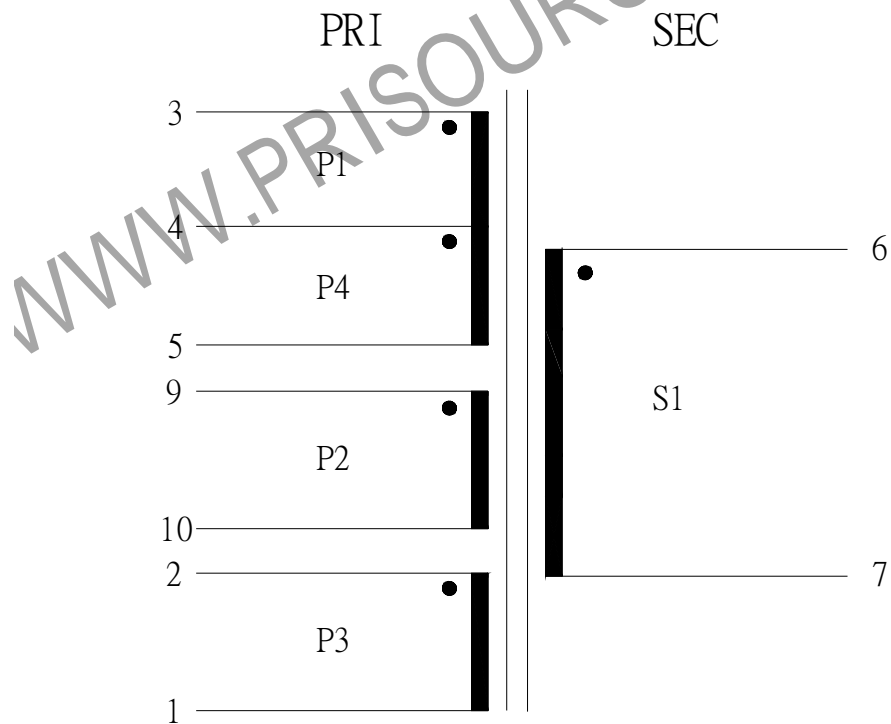
保存溫度範圍 : -40°C -85°C

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#### 4. WINDING SEQUENCE:



#### 5. SCHEMATIC:



|           |          |             |                     |         |       |
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6. MATERIAL LIST :

| NO. | DESCRIPTION | ITEM | MATERIAL  | LIST OF SAMPLE | UL NO.  | MANUFACTURER |
|-----|-------------|------|---|----------------|---------|--------------|
| 1   | BOBBIN      | (1)  | PHENOLIC (PM9820)<br>Thickness:0.30mm Min.        | ✓              | E41429  | SUMITOMO     |
| 2   | PIN         | (2)  | TINNED COPPER WIRE $\Phi$ 0.6                     | ✓              |         | WELL FORE    |
| 3   | CORE        | (3)  | FERRITE CORE<br><br>EE19 TP4<br>CORE GAP : 0.45mm | ✓              |         | TDG          |
| 4   | COPPER WIRE | (4)  | POLYURETHANE(1/2UEW)<br>TYPU-130 MW75-C           | ✓              | E197768 | HENG YA      |
| 5   | TRIPLE WIRE | (5)  | TEX-E   | ✓              | E206440 | FURUKAWA     |
| 6   | MYLAR TAPE  | (6)  | POLYESTER FILM<br>#1318-1 (Y)                     | ✓              | E17385  | 3M           |
| 7   | EPOXY       |      | 6020H   | ✓              | E229633 | WELLS        |
| 8   | VARNISH     |      | TVB2180T  | ✓              | E83702  | KYOCERA      |

|           |          |             |                     |         |       |
|-----------|----------|-------------|---------------------|---------|-------|
| REPORT BY | CHECK BY | APPROVED BY | CUSTOMER :          | DATE    |       |
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