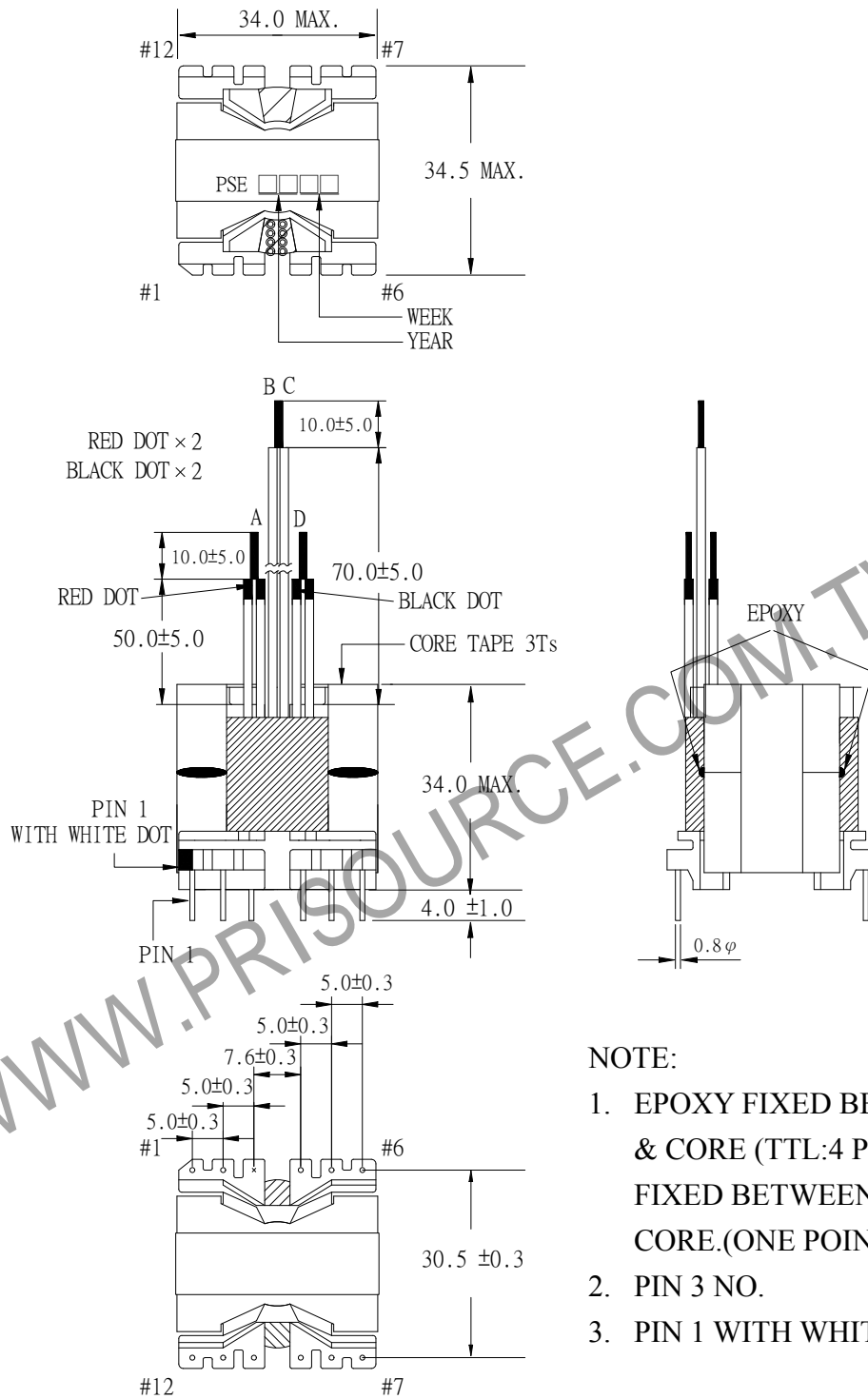


# 1. V MECHANICAL & ASSEMBLY :



**NOTE:**

1. EPOXY FIXED BETWEEN CORE & CORE (TTL:4 POINTS) EPOXY FIXED BETWEEN OF BOBBIN & CORE.(ONE POINT).
2. PIN 3 NO.
3. PIN 1 WITH WHITE DOT.

UNIT: m/ m

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

| STEP | WINDING | MARGIN TAPE  | START-FINISH | COPPER WIRE   | TURNS | LAYER TAPE | METHOD | TUBE |
|------|---------|--------------|--------------|---------------|-------|------------|--------|------|
| 1    | P1 1/2  | 2.0/2.0mm×1T | A - B        | 0.50φ×2       | 7     | 1T         | SPACE  | 1.2φ |
| 2    | P2 1/2  | 2.0/2.0mm×1T | C - D        | 0.50φ×2       | 7     | 1T         | SPACE  | 1.2φ |
| 3    | S1      | 2.0/2.0mm×1T | 8 - 7        | TEX-E 0.50φ×2 | 2     | 1T         | SPACE  |      |
| 4    | S2      | 2.0/2.0mm×1T | 10 - 9       | TEX-E 0.50φ×2 | 4     | 1T         | SPACE  |      |
| 5    | S3      | 2.0/2.0mm×1T | 12 - 11      | TEX-E 0.50φ×2 | 4     | 1T         | SPACE  |      |
| 6    | P1 2/2  | 2.0/2.0mm×1T | A - B        | 0.50φ×2       | 7     | 1T         | SPACE  | 1.2φ |
| 7    | P2 2/2  | 2.0/2.0mm×1T | C - D        | 0.50φ×2       | 7     | 1T         | SPACE  | 1.2φ |
| 8    | P3      | 2.0/2.0mm×1T | 1 - 2        | 0.35φ         | 2     | 3Ts        | SPACE  |      |
|      |         |              |              |               |       |            |        |      |
|      |         |              |              |               |       |            |        |      |

NOTE:

## 3. ELECTRICAL CHARACTERISTICS :

| PIN NO. | INDUCTANCE<br>1.0 KHZ, 1.0Vrms | INDUCTANCE<br>KHZ, Vrms | VOLTAGE RATIO(V)<br>f= 20KHz | DCR (MAX)<br>AT 25°C |
|---------|--------------------------------|-------------------------|------------------------------|----------------------|
| A - B   | 17.5uH±10%                     |                         | INPUT 0.1 Vrms               | 16.0 mΩ.             |
| C - D   |                                |                         | 0.0994Vrms±4.0%              | 17.0 mΩ.             |
| 8 - 7   |                                |                         | 0.0284Vrms±5.0%              | 10.0 mΩ.             |
| 10 - 9  |                                |                         | 0.0568Vrms±5.0%              | 16.0 mΩ.             |
| 12 - 11 |                                |                         | 0.0568Vrms±5.0%              | 18.0 mΩ.             |
| 1 - 2   |                                |                         | 0.0284Vrms±5.0%              | 45.0 mΩ.             |
|         |                                |                         |                              |                      |
|         |                                |                         |                              |                      |

HI-POT TEST : (AT 10 mA, 2 SEC ROUTINE TEST)

(AT 10 mA, 1 MIN TYPE TEST)

PRI. TO CORE. 3600 VAC

3000 VAC

SEC. TO CORE. 3600 VAC

3000 VAC

PRI. TO SEC. 3600 VAC

3000 VAC

INSULATION RESISTANCE: (AT DC500V)

PRI. TO CORE. 200 MΩ MIN.

SEC. TO CORE. 200 MΩ MIN.

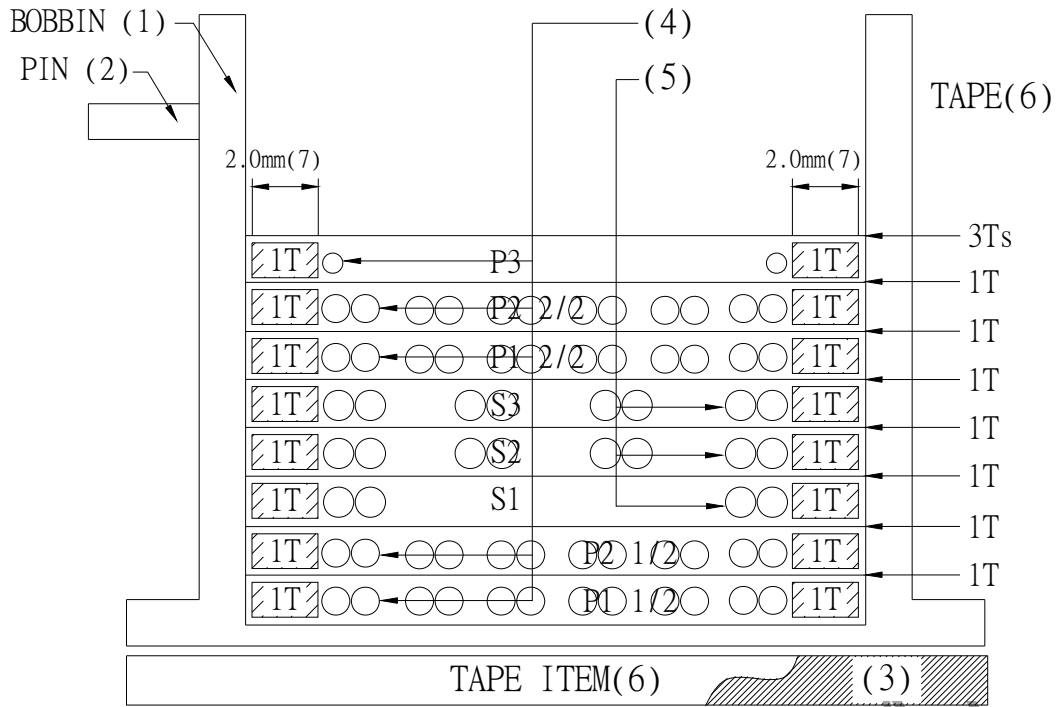
PRI. TO SEC. 200 MΩ MIN.

PRI. TO PRI. 200 MΩ MIN.

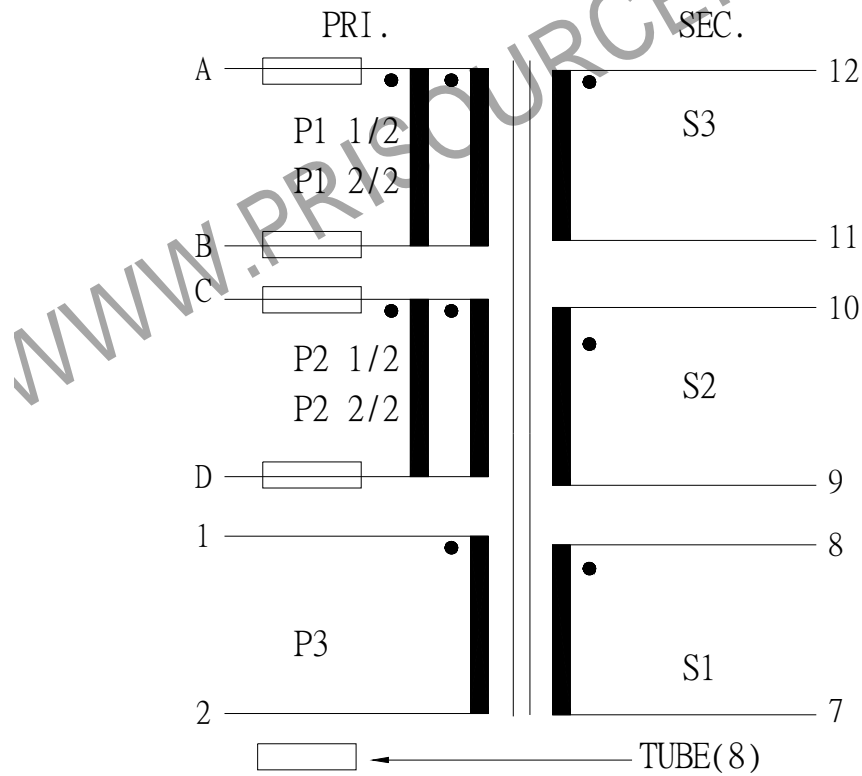
SEC. TO SEC. 200 MΩ MIN.

|           |          |             |                     |            |
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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(T375J)<br>Thickness:0.80mm Min. | ✓              | E59481  | CHANG CHUN   |
| 2   | PIN         | (2)  | TINNED C.P WIRE<br>φ 0.8                 | ✓              |         | WELL FORE    |
| 3   | CORE        | (3)  | FERRITE CORE<br>PQ3230 TP4               | ✓              |         | TDG          |
| 4   | COPPER WIRE | (4)  | POLYURETHANE (1UEW)<br>TYPYU-130 MW75-C  | ✓              | E197768 | HENG YA      |
| 5   | TRIPLE WIRE | (5)  | TEX-E                                    | ✓              | E206440 | FURUKAWA     |
| 6   | MYLAR TAPE  | (6)  | POLYESTER FILM #1350F-1 Y                | ✓              | E17385  | 3M           |
| 7   | MARGIN TAPE | (7)  | COMPOSITE FILM 673F0.5                   | ✓              | E56086  | TERAOKA      |
| 8   | TUBE        | (8)  | SILICON TUBE RSU-1                       | ✓              | E67922  | NISSEI       |
| 9   | EPOXY       |      | 6020H                                    | ✓              | E229633 | WELLS        |
| 10  | VARNISH     |      | WP-2952F-2G                              | ✓              | E72979  | HITACHI      |

|           |          |             |                     |         |       |
|-----------|----------|-------------|---------------------|---------|-------|
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