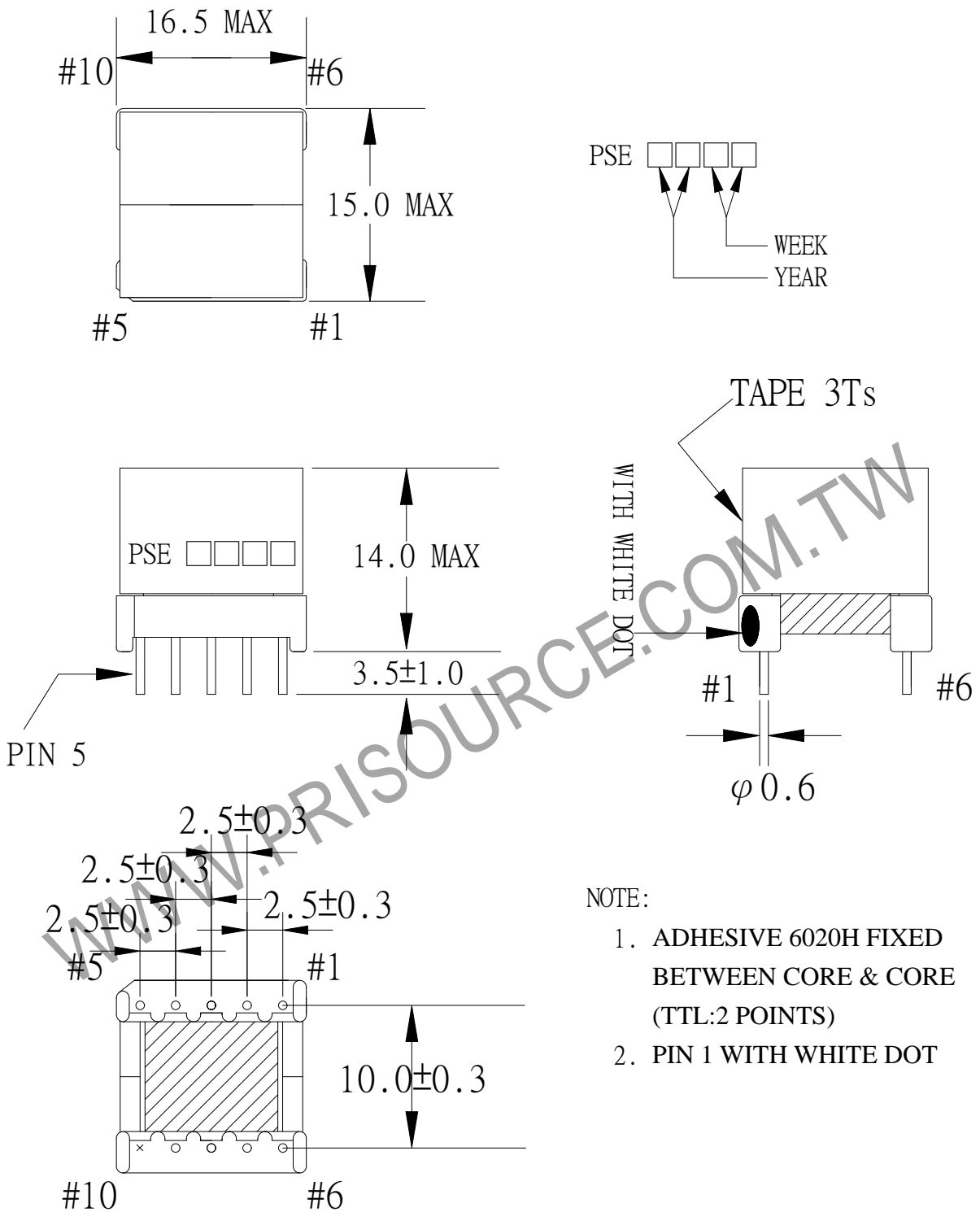


1. MECHANICAL & ASSEMBLY :



UNIT : mm

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

| STEP | WINDING | MARGIN TAPE | START-FINISH | COPPER WIRE | TURNS | LAYER TAPE | METHOD |
|------|---------|-------------|--------------|-------------|-------|------------|--------|
| 1 | W1 | | 5 - 4 | 0.18φ | 74 | 2T | CLOSE |
| 2 | W3 | | 6 - 7 | 0.18φ | 60 | 2T | CLOSE |
| 3 | W2 | | 2 - 1 | 0.18φ | 30 | 2T | CLOSE |
| 4 | W4 | | 9 - 10 | 0.18φ | 38 | 2T | CLOSE |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

NOTE:

3. ELECTRICAL CHARACTERISTICS :

| PIN NO. | INDUCTANCE 1.0 KHz, 1.0Vrms | LEAKAGE INDUCTANCE KHz, Vrms | VOLTAGE RATIO(V) f= 20KHz | DCR MAX AT 25°C |
|---------|--------------------------------|---------------------------------|------------------------------|--------------------|
| 5 - 4 | 240.0uH±20% | | INPUT 1 Vrms | 1.2 Ω |
| 6 - 7 | | | 0.8063 Vrms±3% | 1.10Ω |
| 2 - 1 | | | 0.4032 Vrms±4% | 0.65Ω |
| 9 - 10 | | | 0.5190 Vrms±3% | 1.0Ω |
| | | | | |
| | | | | |

HI-POT TEST : (AT 5 mA, 2 SEC)

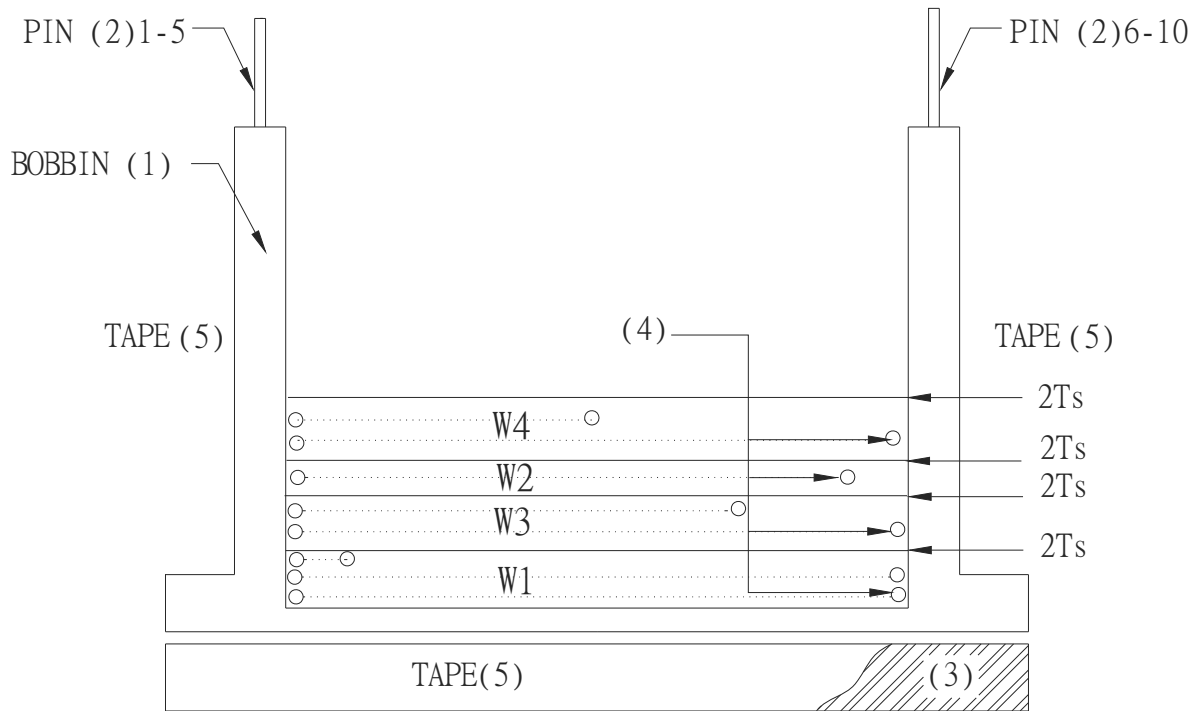
COIL TO COIL 2400 VDC

INSULATION RESISTANCE: (AT DC 500V)

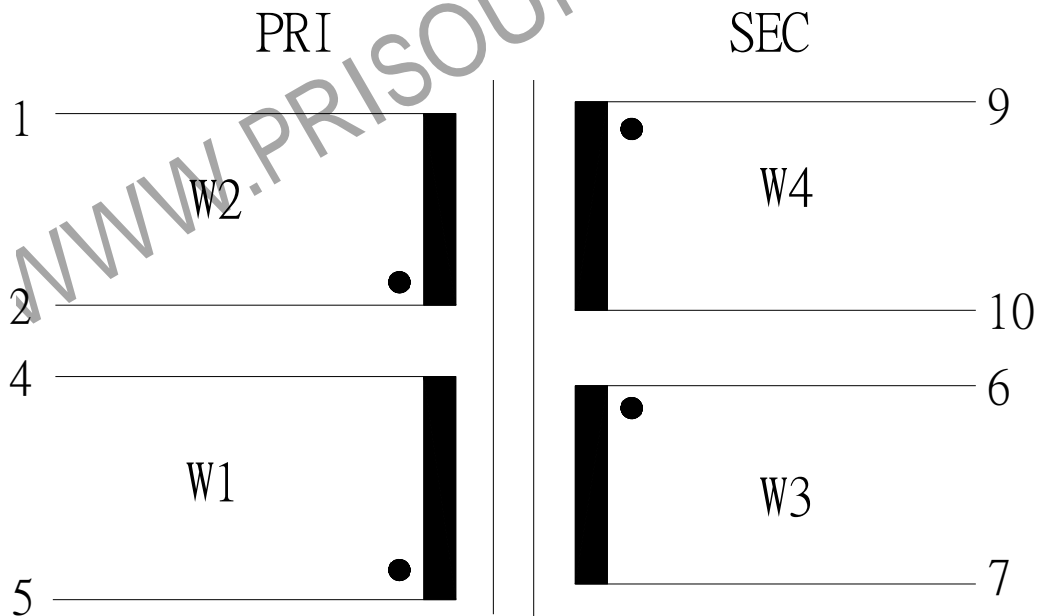
COIL TO COIL 100 MΩ MIN.

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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 (PM9820) Thickness:0.30mm Min. | ✓ | E41429 | SUMITOMO |
| 2 | PIN | (2) | TINNED COPPER WIRE φ 0.6 | ✓ | | |
| 3 | CORE | (3) | FERRITE CORE EP13 TP4 | ✓ | | TDG |
| 4 | COPPER WIRE | (4) | POLYURETHANE (1UEW) MW75-C TYPV-130 | ✓ | E197768 | TA YA |
| 5 | MYLAR TAPE | (5) | POLYESTER FILM #1318-1 (Y) | ✓ | E17385 | 3M |
| 7 | VARNISH | | WP-2952F-2G | ✓ | E72979 | HITACHI |

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