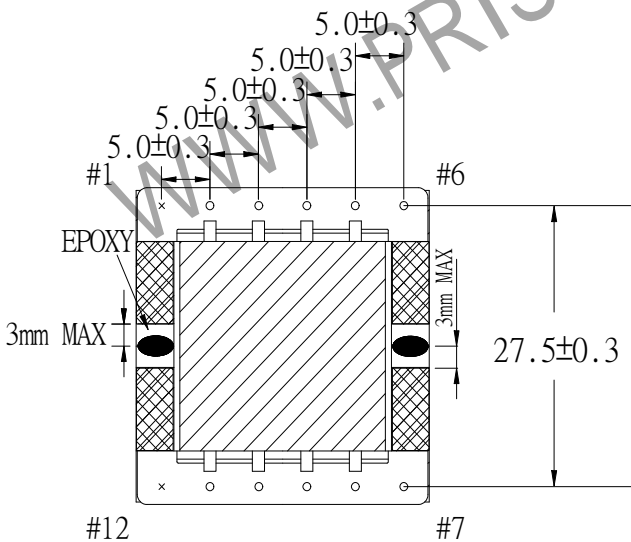
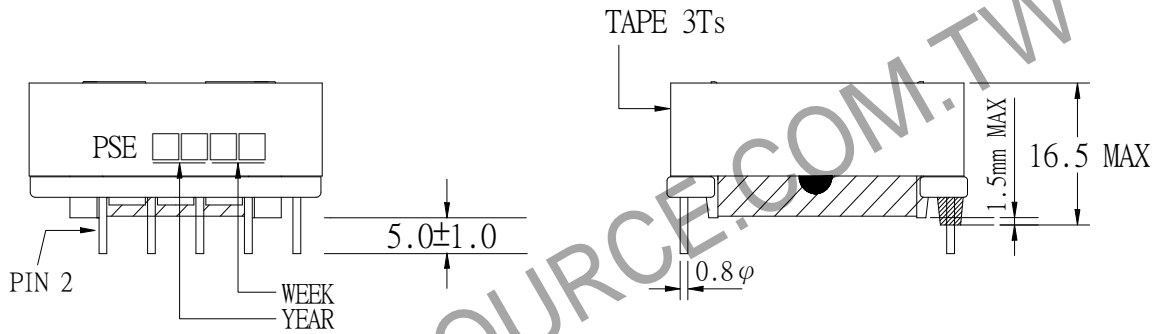
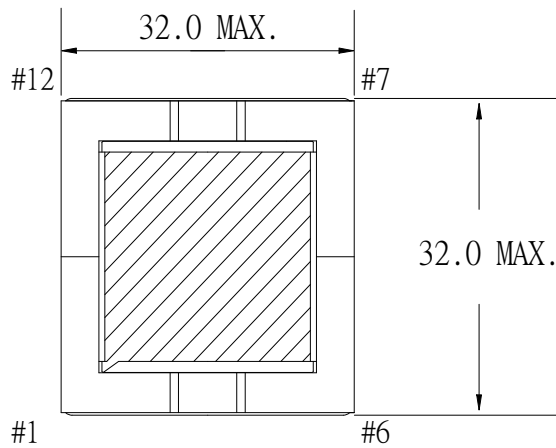


1. MECHANICAL & ASSEMBLY :



NOTE:

1. EPOXY FIXED BETWEEN BOTTOM OF CORE & CORE (TTL:2 POINTS) . ADHESIVE EP-138 FIXED BETWEEN CORE & CORE (TTL:2 POINTS) EPOXY FIXED BETWEEN BOTTOM OF CORE & COIL (TTL:1 POINTS)
2. PIN 1,12 NO
3. SOLDER POINT CAN BE OVER STAND OFF 1.5 mm MAX

UNIT : mm

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2. WINDING CONFIGURATION :

STEP	WINDING	MARGIN TAPE	START-FINISH	COPPER WIRE	TURNS	TUBE	LAYER TAPE	METHOD
1	P1	4.0mm/5.0mm×4Ts	2 - 5	0.10φ/15C	42	#20	3Ts	CLOSE
2	S1	5.0mm/4.0mm×2Ts	10 - 11	0.10φ/15C	19	#20	1T	CLOSE
3	S2	5.0mm/4.0mm×2Ts	8 - 9	0.10φ/15C	19	#20	3Ts	CLOSE

NOTE: TUBE MUST BE EXCEED MARGIN TAPE 3mm MIN.

3. ELECTRICAL CHARACTERISTICS :

PIN NO	INDUCTANCE 10 KHz, 1.0Vrms	LEAKAGE INDUCTANCE 100KHz, 0.1Vrms	VOLTAGE RATIO(V) f= 20KHz	DCR MAX AT 25°C
2 - 5	2.8mH MIN	15.0uH MAX	INPUT 1V	0.36 Ω
10 - 11		SHORT	0.4517Vrms±3.0%	185.0mΩ
8 - 9		SHORT	0.4515Vrms±3.0%	200.0mΩ

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

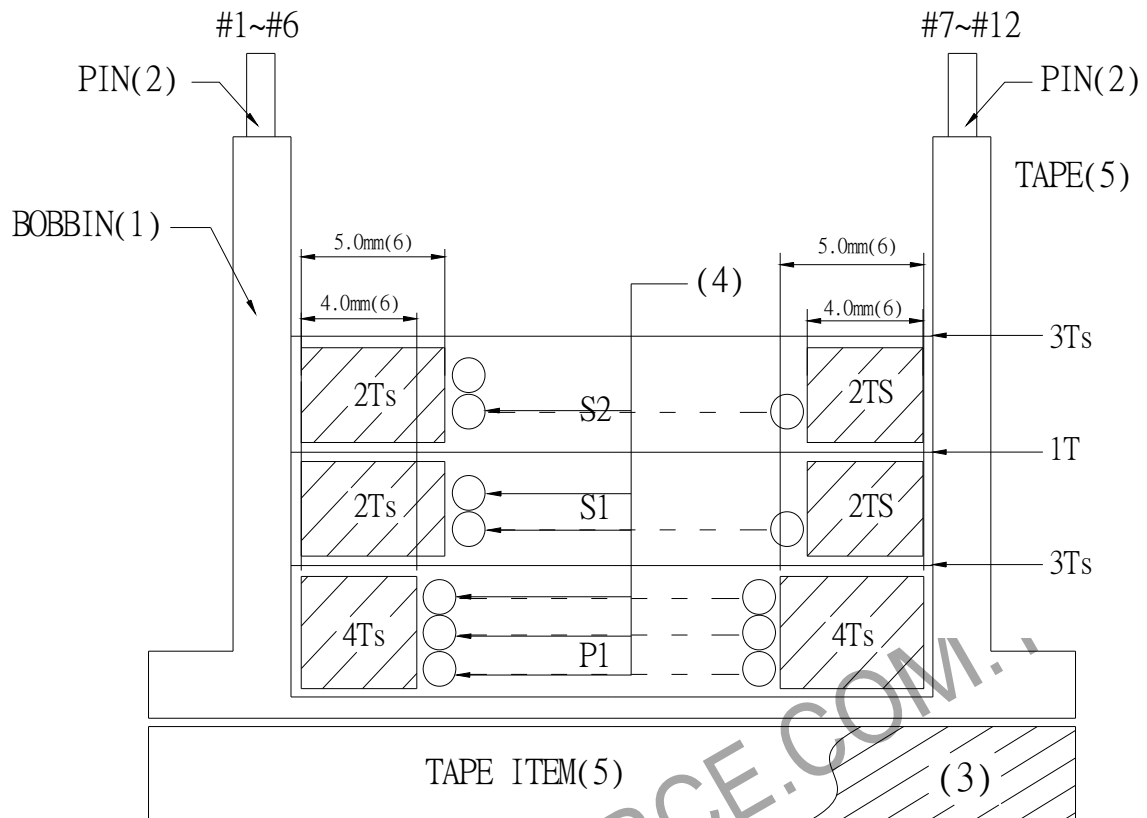
PRI TO SEC 4000 VAC  
SEC TO CORE 4000 VAC

INSULATION TEST : (AT DC500V)

PRI TO SEC 100 MΩ MIN.  
SEC TO CORE 100 MΩ MIN.

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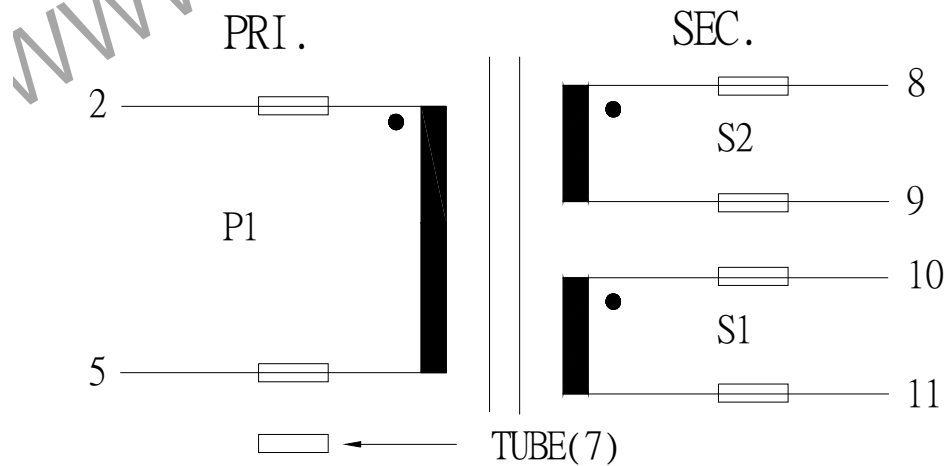
#### 4. WINDING SEQUENCE :



P1 WINDING FROM PIN 1-6 SIDE

S1, S2 WINDING FROM PIN 7-12 SIDE

#### 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: > 0.4mm.	✓	E41429	SUMITOMO
2	PIN	(2)	TINNED C.P WIRE φ0.8	✓		WELL FORE
3	CORE	(3)	FERRITE CORE EFD30.2 TP4 (NO GAP)	✓		TDG
4	COPPER WIRE	(4)	POLYURETHANE(1UEWF) TY1700-U155 MW79C	✓	E197768	HENG YA
5	MYLAR TAPE	(5)	POLYESTER FILM #1218-1 Y	✓	E17385	3M
6	MARGIN TAPE	(6)	COMPOSITE FILM #44T-A	✓	E17385	3M
7	TUBE	(7)	TEFLON TUBE TFL	✓	E156256	GREAT HOLDING
8	EPOXY		6020H EP-138	✓ ✓	E229633	WELLS CEMEDINE
9	VARNISH		TVB2180T	✓	E83702	KYOCERA

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