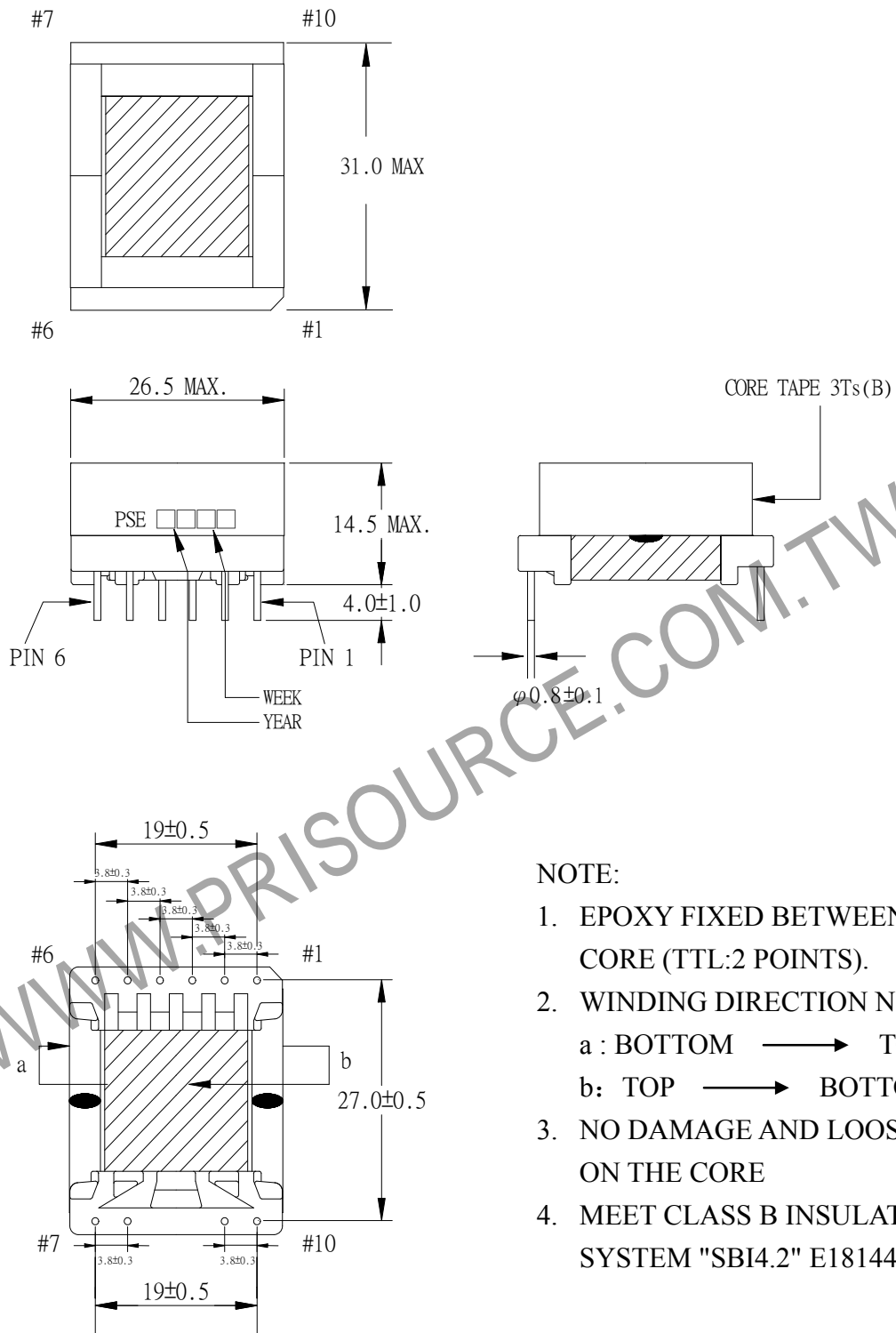


# 1. MECHANICAL & ASSEMBLY :



## NOTE:

1. EPOXY FIXED BETWEEN CORE & CORE (TTL:2 POINTS).
2. WINDING DIRECTION N1,N2,N3,N4  
 a : BOTTOM → TOP  
 b: TOP → BOTTOM
3. NO DAMAGE AND LOOSENING ON THE CORE
4. MEET CLASS B INSULATION SYSTEM "SBI4.2" E181448

UNIT : m/ m

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## 2. WINDING CONFIGURATION :

STEP	WINDING	MARGIN TAPE	START-FINISH	COPPER WIRE	TURNS	LAYER TAPE	METHOD
1	N1		4 - 5	0.36φ	7		CLOSE
2	N2		2 - 3	0.36φ	7		CLOSE
3	N3		6 - 1	0.36φ	1		CLOSE
4	N4-1 槽		7 -	0.12φ	112.5		CLOSE
5	N4-2 槽			0.12φ	112		CLOSE
6	N4-3 槽			0.12φ	112		CLOSE
7	N4-4 槽			0.12φ	112		CLOSE
8	N4-5 槽		- 10	0.12φ	111.5		CLOSE

NOTE:

Wrapping turns:

PIN 1~6 : 2 ~ 3 Ts

PIN 7, 10 : 4 ~ 6 Ts

## 3. ELECTRICAL CHARACTERISTICS :

PIN NO.	INDUCTANCE 1.0KHz, 0.3Vrms	LEAKAGE INDUCTANCE KHz, Vrms	VOLTAGE RATIO(V) f= 20KHz	DCR MAX. AT 25°C
4 - 5	6.7uH±10%		0.0115V±7.0%	53.40 mΩ
2 - 3	6.7uH±10%		0.0115V±7.0%	55.80 mΩ
6 - 1			0.0016V±7.0%	13.90 mΩ
7 - 10	33.8mH±12%		INPUT 1Vrms	40.0 Ω

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

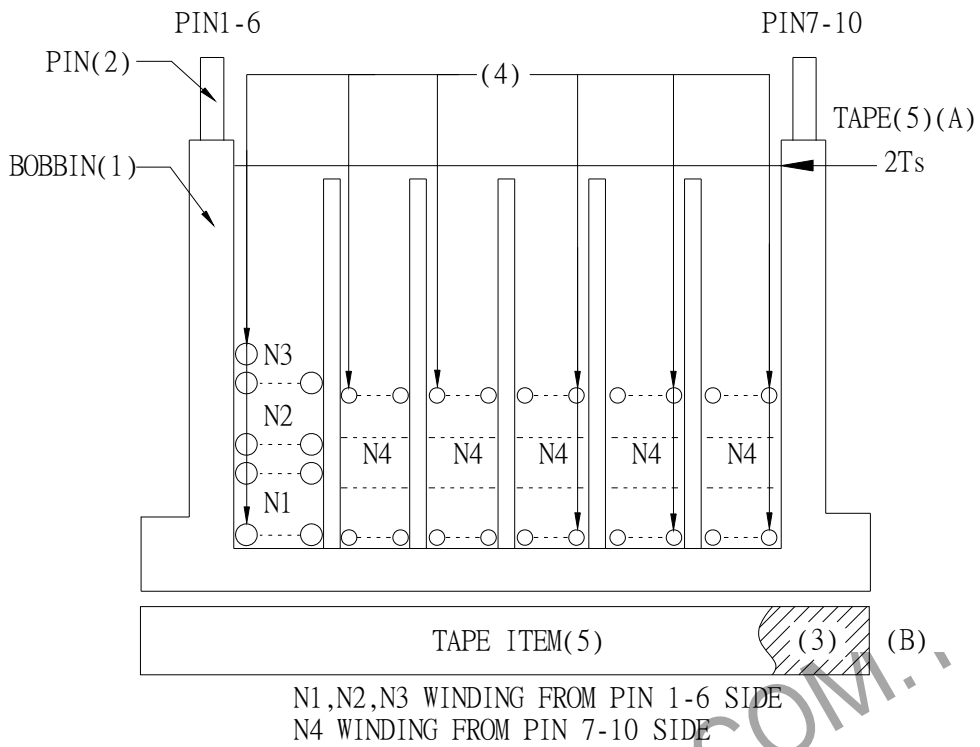
PRI	TO	SEC	5000 VAC
PRI	TO	CORE	2640 VAC
SEC	TO	CORE	2640 VAC
PRI	TO	PRI	880 VAC

INSULATION RESISTANCE: (AT DC 500V)

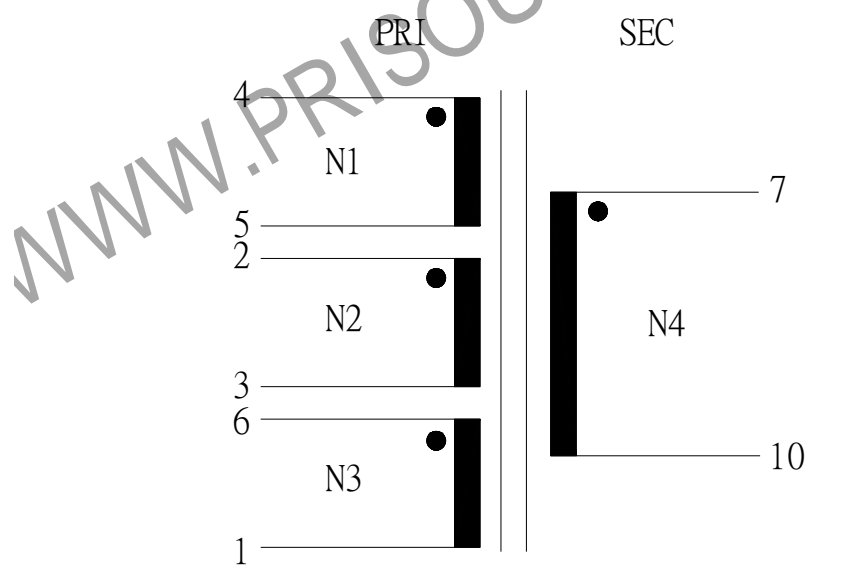
PRI	TO	SEC	100 MΩ MIN.
PRI	TO	CORE	100 MΩ MIN.
SEC	TO	CORE	100 MΩ MIN.

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#### 4. WINDING SEQUENCE :



#### 5. SCHEMATIC :



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## 6. MATERIALS LIST :

NO	DESCRIPTION	ITEM	MATERIAL	LIST OF SAMPLE	UL NO.	MANUFACTURE
1	BOBBIN	(1)	PHENOLIC (PM9630) Thickness:0.50mm Min.	√	E41429	SUMITOMO
2	PIN	(2)	TINNED C.P WIRE $\varphi 0.8$	√		WELL FORE
3	CORE	(3)	FERRITE CORE EPC25 EPC25/25 TP4A CORE GAP : 0.71mm±0.05mm	√		TDG
4	COPPER WIRE	(4)	POLYURETHANE (1UEW) TYPU-130 MW75-C	√	E197768	HENG YA
5	MYLAR TAPE	(5)	POLYESTER FILM 1350F-1 Y 厚度: 0.06mm (A) w=15.5mm (B) w=8.0mm	√	E17385	3M
6	EPOXY		6020H	√	E229633	WELLS
7	VARNISH		WP-2952F-2G	√	E72979	HITACHI
8	INK		5506	√		MARKEM- IMAJE
9	SOLDER		HFP-302B	√		SHENMAO
10	FLUX		PR-609	√		REDSUN

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