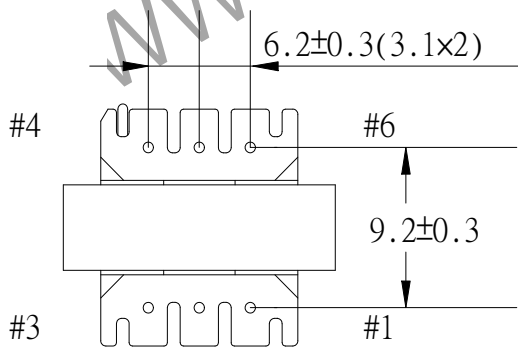
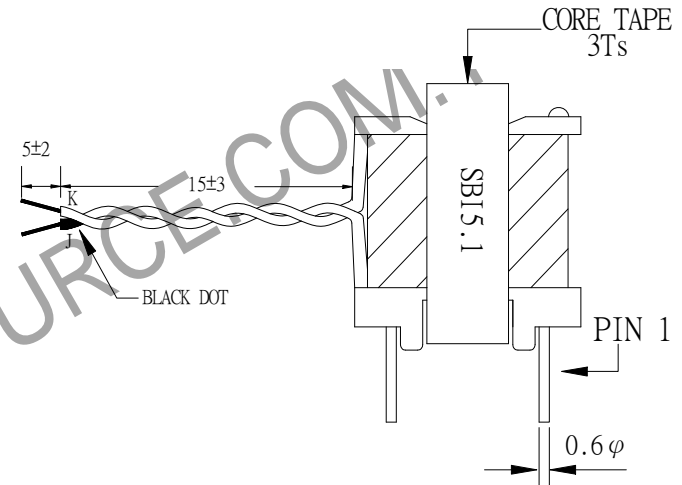
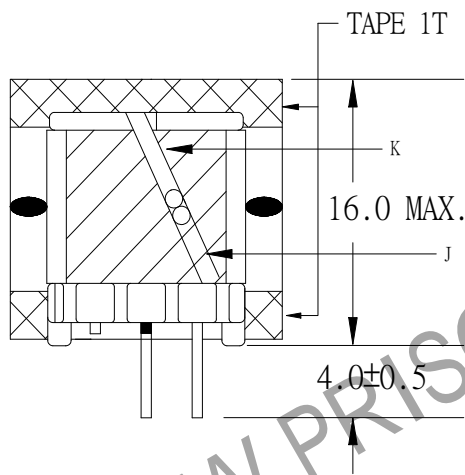
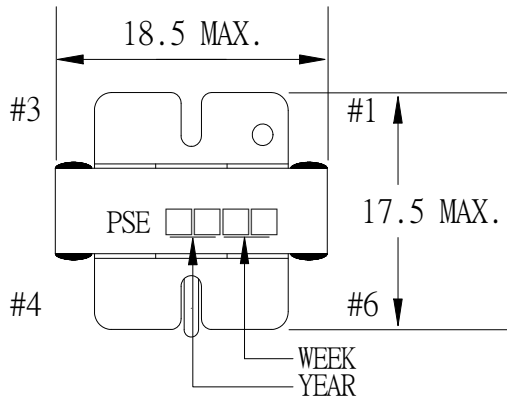


# 1. MECHANICAL & ASSEMBLY :



## NOTE:

1. PIN 2 CUT SHORTER AFTER SOLDERING
2. PIN 4 CUT SHORTER AFTER SOLDERING
3. MEET CLASS F INSULATION SYSTEM "SBI5.1" UL E181448
4. EPOXY FIXED BETWEEN CORE & CORE (TTL:4 POINTS)
5. ADD ONE DROPS OF GLUE INSIDE OF THE CORE TOP.

UNIT : m/m

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## 2. WINDING CONFIGURATION :

STEP	WINDING	MARGIN TAPE	START-FINISH	COPPER WIRE	TURNS	LAYER TAPE	TUBE	METHOD
1	SHIELD 1		1 - NC	0.13φ	48	1T		SPACE
2	P1(1/2)		3 - 2	0.17φ	37	1T		SPACE
3	P2(1/2)		6 - 4	0.32φ	19	1T		SPACE
4	P2(2/2)		4 - 5	0.32φ	19	1T		SPACE
5	P1(2/2)		2 - 1	0.17φ	37	10Ts		SPACE
6	SHIELD 2		NC - NC	COPPER FOIL	1	2TS		CLOSE
7	P3		J - K	TIW-3 0.3φ	11	2Ts		CLOSE
8	SHIELD 3		5 - NC	COPPER FOIL	1	2Ts		CLOSE

NOTE: 1. WINDING DIRECTION OF THE STEP 8 OPPOSITE TO THE STEP1~STEP7

2. STEP6 & STEP 8 :THE START AND END OF COPPER FOIL CANNOT BE TOUCHED.

## 3. ELECTRICAL CHARACTERISTICS :

PIN NO.	INDUCTANCE 1.0 KHz, 1.0Vrms	LEAKAGE INDUCTANCE 100KHz, 1.0Vrms	VOLTAGE RATIO(V) F= 20KHz	DCR MAX. AT 25°C
3 - 1	438.1uH ±7.0%	8.0 uH Max.	INPUT 1 Vrms,	2.0 Ω
6 - 5			0.5143Vrms±2.5%	300.0 mΩ
6 - 4		SHORT	0.2557Vrms±4.0%	150.0 mΩ
3 - 2			0.4931Vrms±2.5%	0.9 Ω
J - K		SHORT	0.1504Vrms±4.0%	165.0 mΩ
4 - 5		SHORT		

HI-POT TEST:(AT 10 mA, 1 MIN.)

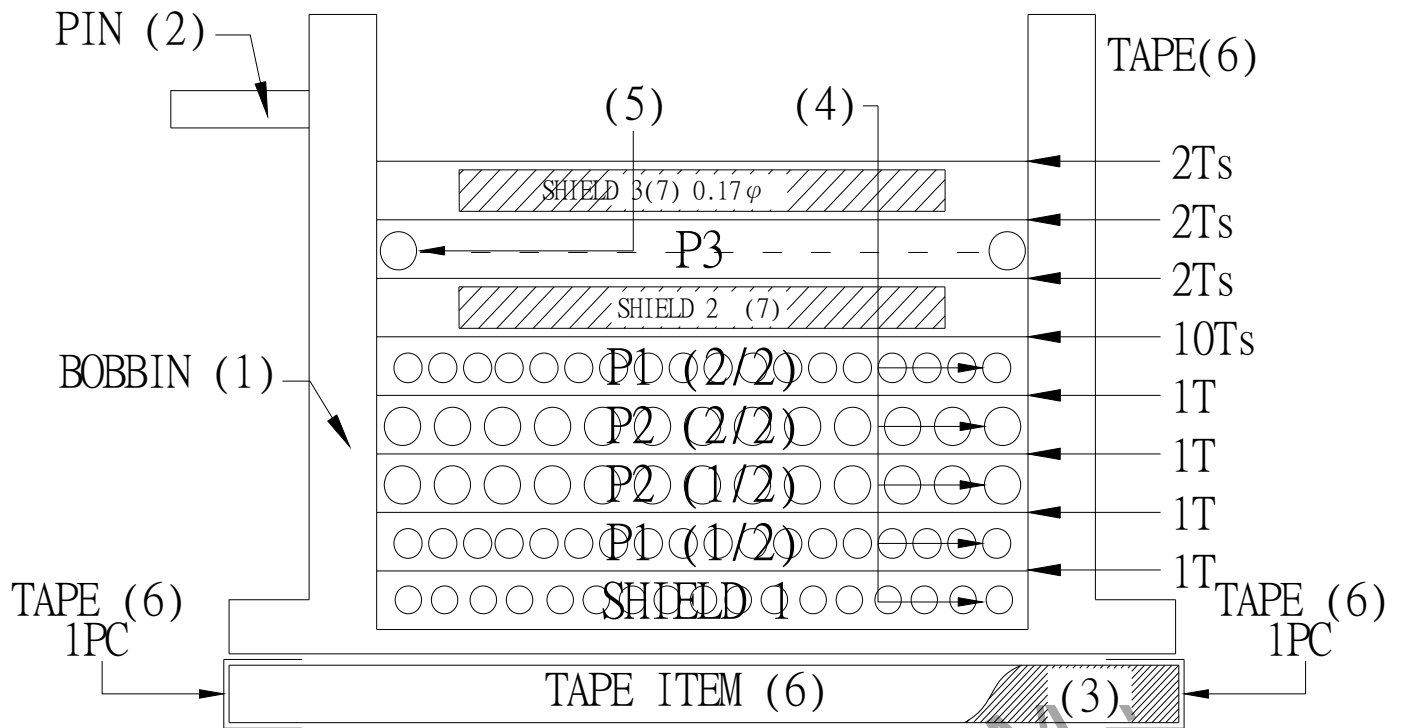
WINDING TO WINDING 2000 VAC  
P3 TO CORE 2000 VAC

RESISTANCE:(AT DC 500V)

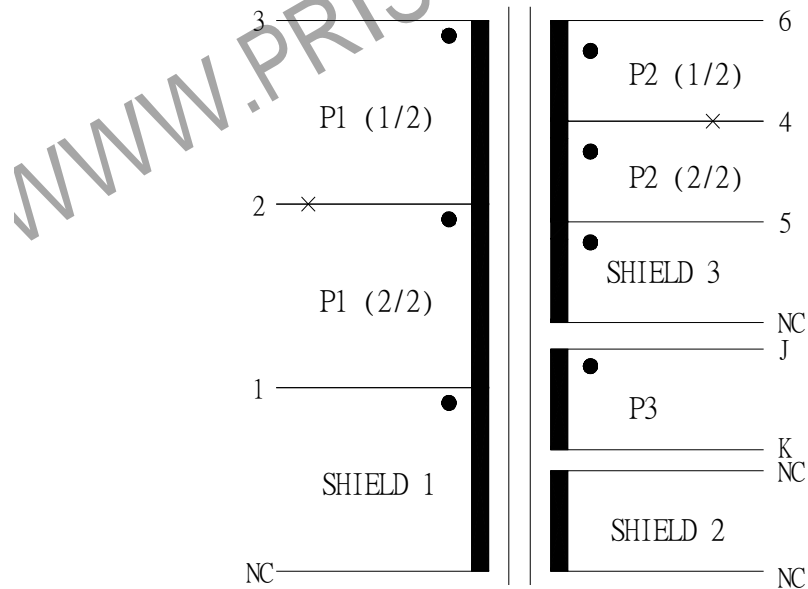
WINDING TO WINDING 100 MΩ MIN.  
P3 TO CORE 100 MΩ MIN.

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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.	MANUFACTURE
1	BOBBIN	(1)	PHENOLIC(PM9820) Thickness : 0.5mm MIN	√	E41429	SUMITOMO
2	PIN	(2)	TINNED COPPER WIRE 0.6 φ	√		WELL FORE
3	CORE	(3)	FERRITE EE16 TP4	√		TDG
4	COPPER WIRE	(4)	POLYURETHANE (1UEWF) MW79C TYA1-U155	√	E197768	HENG YA
5	TRIPLE WIRE	(5)	TRIPLE INSULATION WIRE TIW-3	√	E166483	TOTOKU
6	MYLAR TAPE	(6)	POLYESTER FILM 635F#25	√	E56086	TERAOKA
7	COPPER TAPE	(7)	COPPER FOIL TAPE NO.831S	√	E56086	TERAOKA
8	EPOXY		6020H	√	E229633	WELLS
9	VARNISH		TVB2180T	√	E83702	KYOCERA

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