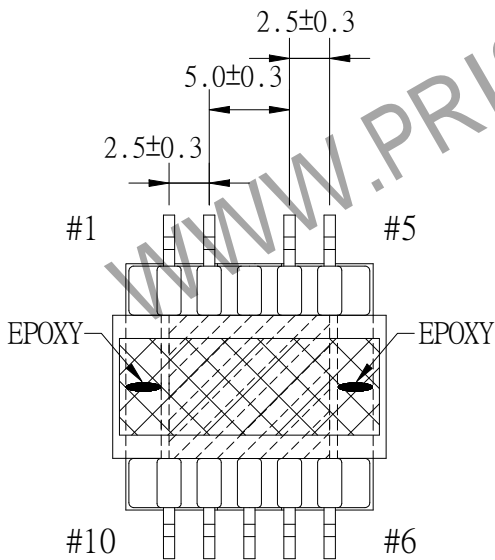
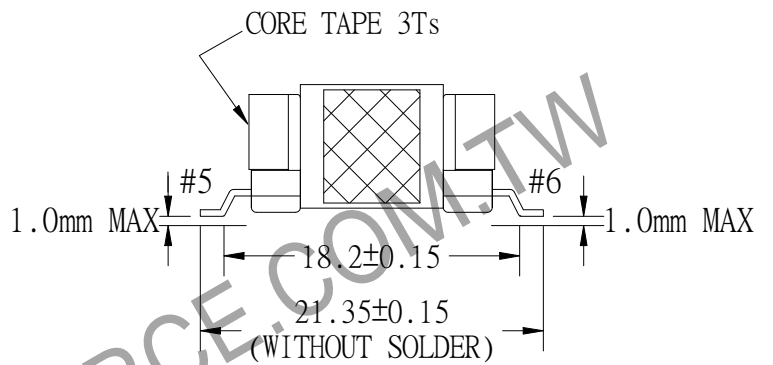
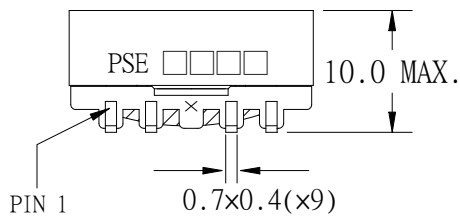
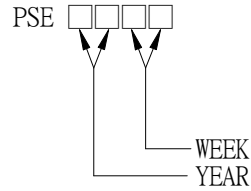
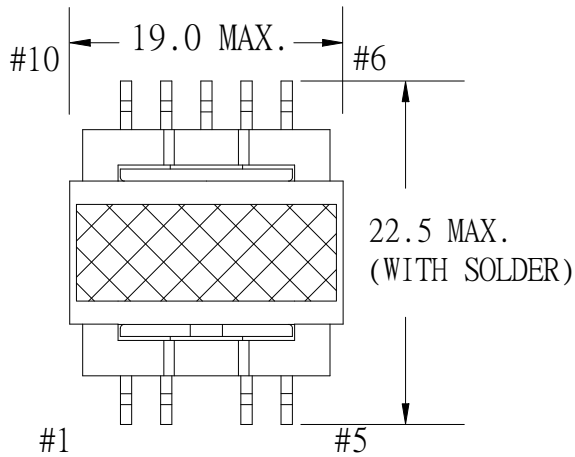


# 1. MECHANICAL & ASSEMBLY :



## NOTE:

1. EPOXY 6020H FIXED BETWEEN BOTTOM OF CORE & CORE TTL:2 POINTS).
2. EPOXY 6020H FIXED BETWEEN CORE & BOBBIN.(ONE POINT AT PIN6-10 SIDE)
3. PIN 3 NO.
4. COPPER FOIL COULD EXCEED BOTTOM OF PIN TERMINAL 1.0mm MAX

UNIT : m/m

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## 2. WINDING CONFIGURATION :

STEP	WINDING	MARGIN TAPE	START-FINISH	COPPER WIRE	TURNS	LAYER TAPE	TUBE	METHOD
1	P1	1.5/1.5mm×1T	4 - 5	0.32φ	17	2Ts		CLOSE
2	S1	1.5/1.5mm×1T	9 - 10	0.25φ	16	1T		CLOSE
3	S2	1.5/1.5mm×1T	6 - 7	0.25φ	16	2Ts		CLOSE
4	P2	1.5/1.5mm×1T	1 - 2	0.15φ	14	2Ts		SPACE
5	FLUX STRAP			FOIL 0.05*6	1	2Ts		CLOSE

### NOTE:

1. 6mm wide 0.05mm thick Cu foil, 1 shorted turn over bobbin and cores
2. Insulate Cu foil with 2 layers of Insulation Tape
3. Center Screen to best shield the air gap
4. Use 2 layers 9mm wide Insulation Tape to cover Screen

## 3. ELECTRICAL CHARACTERISTICS :

PIN NO.	INDUCTANCE 100.0 KHz, 1.0Vrms	LEAKAGE INDUCTANCE 10KHz, 1Vrms	VOLTAGE RATIO(V) F= 20KHz	DCR MAX. AT 25°C
4 - 5	66.0uH±20.0%		INPUT 1.0 Vrms	98.0 mΩ MAX.
1 - 2			0.8226Vrms±3.0%	0.5 Ω MAX.
6 - 7			0.9411Vrms±3.0%	0.2 Ω MAX.
9 - 10			0.9417Vrms±3.0%	0.18 Ω MAX.

### HI-POT TEST : ( AT 1 mA , 5 SEC )

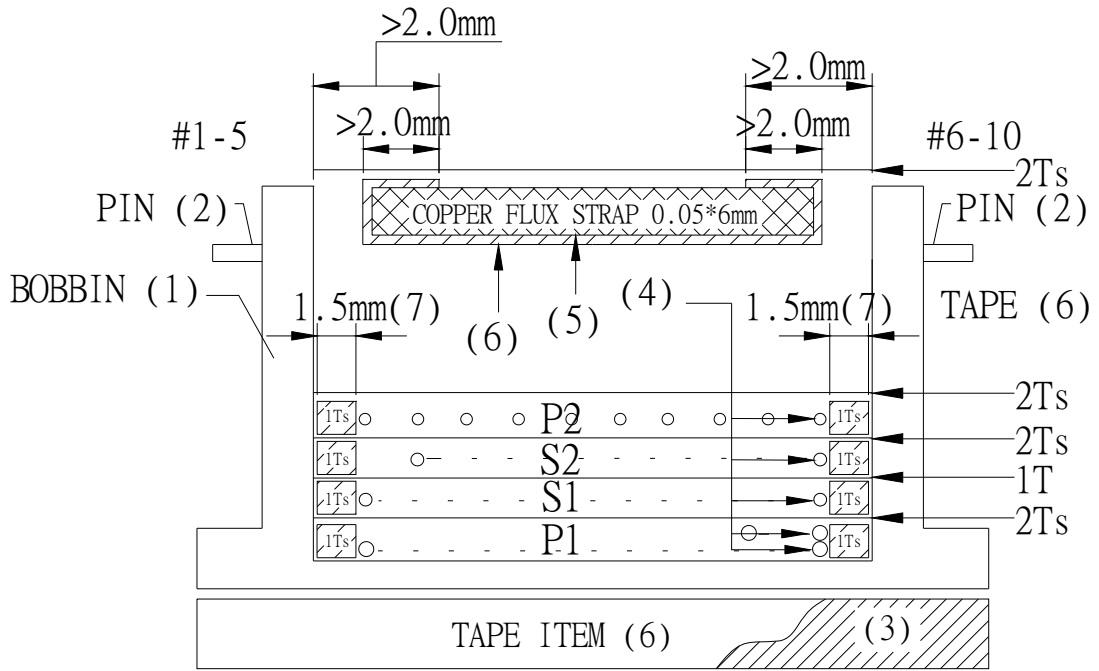
PRI	TO	SEC	2400 Vrms
PRI	TO	PRI	600 Vrms
SEC	TO	SEC	600 Vrms
PRI,SEC	TO	CORE	600 Vrms

### INSULATION RESISTANCE:(AT DC 500V)

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

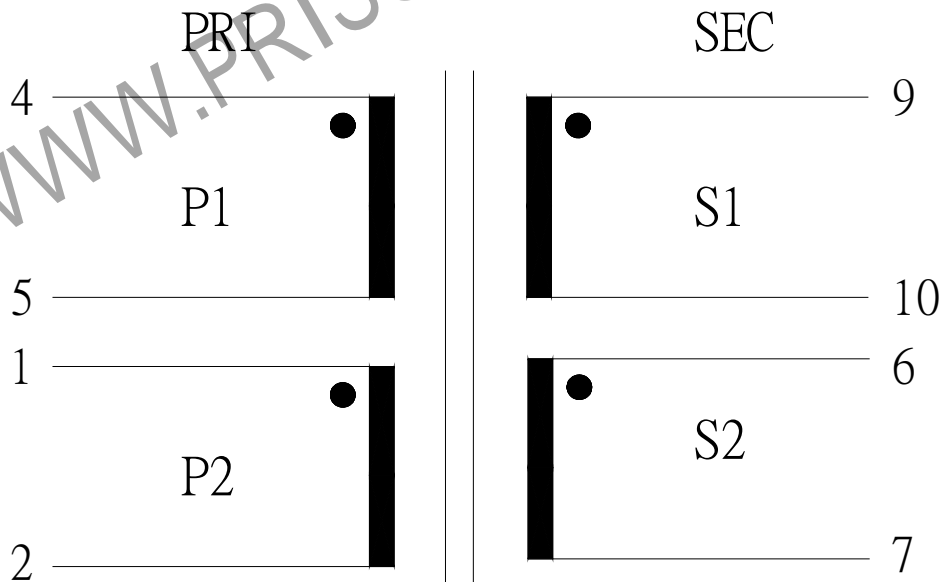
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#### 4. WINDING SEQUENCE



P1, P2 WINDING FROM PIN 1-5 SIDE  
 S1, S2 WINDING FROM PIN 6-10 SIDE

#### 5. SCHEMATIC :



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6 . MATERIAL LIST :

NO	DESCRIPTION	ITEM	MATERIAL	LIST OF SAMPLE	UL NO.	MANUFACTURE
1	BOBBIN	(1)	LCP(E4008) Thickness:0.35mm Min.	√	E54705	SUMITOMO
2	PIN	(2)	TINNED COPPER WIRE □0.7×0.4	√		
3	CORE	(3)	FERRITE CORE EFD15 TP4	√		TDG
4	COPPER WIRE	(4)	POLYURETHANE (2UEW) TYPU-130 MW75-C	√	E197768	HENG YA
5	FLUX STRAP	(5)	COPPER FOIL t0.05 x 6.0mm	√		
6	INSULATE TAPE	(6)	POLYESTER FILM #1350F-1 130°C	√	E17385	3M
7	MARGIN TAPE	(7)	COMPOSITE FILM #44D-A 130°C	√	E17385	3M
8	EPOXY		6020H	√	E229633	WELLS
9	VARNISH		TVB2180T	√	E83702	KYOCERA

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